

Blackburn®

Blackburn® Mechanical Connectors

In this section...



Blackburn® Mechanical Connectors

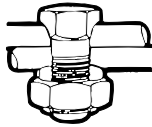
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Thomas & Betts

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Overview

Type H, HPS, HPW



Copper Split-Bolt Connectors
See pages F-153–F-154

Type IPC



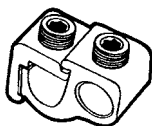
Insulation Piercing Connectors
See page F-159

Type ADR



Dual-Rated Mechanical Connectors
See pages F-173–F-177

Type GP, GT



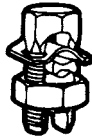
Aluminum Parallel Tap Connectors
See pages F-179–F-180

UFSK, DBSK



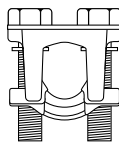
Direct-Burial Splice Kits
See page F-182

Type APS, AAW, CA



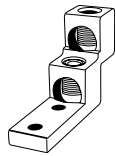
Aluminum Split-Bolt Connectors
See pages F-154–F-155

Type 2B, 2BX, 2BW, 2BPW



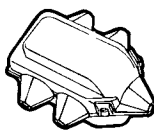
Two-Bolt Connectors
See pages F-160–F-161

Type ASL



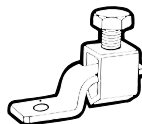
Dual-Rated Mechanical Connectors
See pages F-177–F-178

Type TC



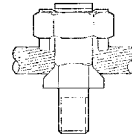
Insulating Covers
See page F-180

Type STC, BTC



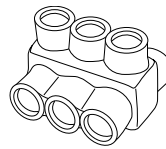
Copper Mechanical Connectors
See page F-182

Type SP



Service Post Connectors
See pages F-156–F-157

Insulated Multi-Tap



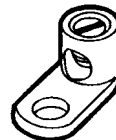
CSB and AMT Connectors
See pages F-162–F-169

Type ASR



Splicer Reducer
See page F-179

Type L, TL



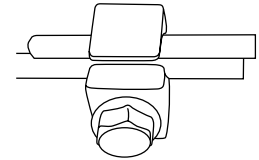
Copper Mechanical Connectors
See page F-181

LOCKTITE®



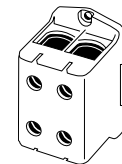
LOCKTITE® Connectors
See pages F-183–F-189

ViceLock™



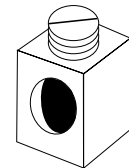
See page F-158

PDS



Power Distribution Blocks
See pages F-170–F-172

Type BX



Rectangular Connectors
See page F-179

Type S



Copper Splice
See page F-181

Tap



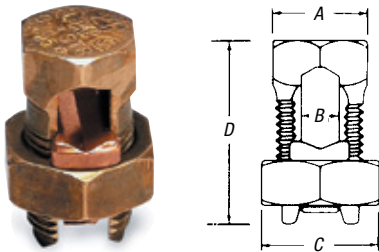
Tap Connectors
See page F-189

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 UL486C, UL467 for grounding and for direct burial through Cat. No. 40H

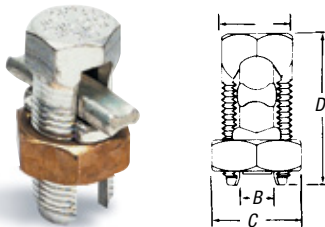
CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN		A	B	C	D
9H	10 Str.–12 Sol.	14 Sol.		3/8	.146	1/2	29/32
8H	8 Str.–10 Sol.	14 Sol.		3/8	.146	1/2	29/32
8H3*	8 Str.–12 Sol.	16 Str.		3/8	.146	1/2	29/32
6H	6 Sol.–8 Sol.	14 Sol.		19/32	.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 1/32
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 1/32
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.		1 1/16	.330	7/8	1 11/32
1H3**	2 Str.–6 Sol.	14 Sol.		1 1/16	.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 13/16
30H	4/0 Str.–2 Sol.	6 Sol.		1	.580	1 1/16	2 1/32
40H	250 kcmil–1 Str.	8 Sol.		1	.580	1 1/16	2 1/32
350M	350 kcmil–250 kcmil	1/0 Str.		1 1/16	.717	1 21/32	2 11/16
500M	500 kcmil–400 kcmil	2/0 Str.		1 1/2	.842	1 7/8	3 1/32
750M	750 kcmil–600 kcmil	4/0 Str.		1 15/16	1.029	2 1/4	3 21/32
1000M	1,000 kcmil–800 kcmil	4/0 Str.		2 1/4	1.185	2 11/32	4 1/32

* Will accommodate three wires of maximum size. The H3 bolts are not UL Listed or CSA Certified.

** Will accommodate three #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® paste 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	29/32
8HPS	—	8 Str.–12 Sol.	12 Sol.	3/8	.146	1/2	29/32
6HPS	8	6 Sol.–12 Sol.	12 Sol.	19/32	.170	21/32	1 1/8
4HPS	6–8	4 Sol.–12 Sol.	12 Sol.	17/32	.235	23/32	1 1/32
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.	1 1/16	.330	7/8	1 1/8
10HPS	1–6	1/0 Str.–6 Sol.	6 Sol.	3/4	.385	1 1/16	1 13/16
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 15/32
350HPS	266.8–1/0	350 kcmil–1/0 Str.	2 Sol.	1 1/16	.717	1 21/32	2 11/16
500HPS*	397.5–1/0	500 kcmil–1/0 Str.	1/0 Str.	1 1/2	.842	1 7/8	3 1/32
750HPS*	666.6–4/0	750 kcmil–4/0 Str.	2/0 Str.	1 15/16	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 11/32	4 1/32

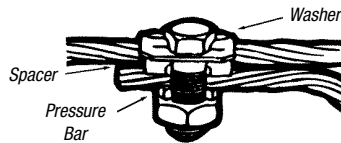
* Not CSA Certified. UL 486A.

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® paste recommended when used with aluminum conductor

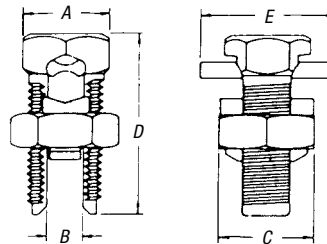


CAT. NO.	CONDUCTOR RANGE (AWG)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
	ACSR	COPPER OR ALUMINUM					
6HPW	8	6 Sol.–12 Sol.	12 Sol.	15/32	.170	21/32	1 1/8
4HPW	6–8	4 Sol.–12 Sol.	12 Sol.	17/32	.235	23/32	1 1/2
2HPW	4–8	2 Sol.–8 Sol.	8 Sol.	19/32	.271	29/32	1 5/8
1HPW	2–8	1 Str.–8 Sol.	8 Sol.	11/16	.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 15/32

Accommodates all aluminum and copper conductor combinations.

Type APS — Aluminum Dual-Rated Split-Bolt Connectors

- Six 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.	17/32	.21	23/32	1.27	1 1/4
APS04	4–10 Str.	19/32	.27	25/32	1.48	1 1/4
APS02	2–8 Str.	11/16	.33	7/8	1.63	1 1/4
APS11	1/0–4 Str.	7/8	.44	1 1/8	2.07	1 1/2
APS21	2/0–4 Str.	7/8	.44	1 1/8	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 11/16	3.36	2 1/4
APS500*	500 kcmil–2 Str.	1 1/16	.84	2	3.62	2 5/8

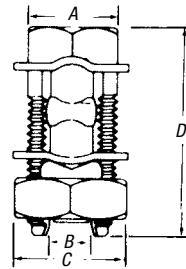
* Square head design not CSA certified

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® paste recommended when used on aluminum conductor

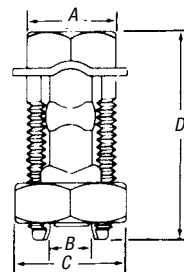


CAT. NO.	CONDUCTOR RANGE (AWG)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
	ACSR	ALUMINUM					
6AAW	6-8	4 Sol.-8 Sol.	10 Sol.	17/32	.236	23/32	1 1/32
4AAW	4-8	2 Sol.-8 Sol.	8 Sol.	19/32	.272	25/32	1 19/32
2AAW	2-8	1 Str.-8 Sol.	8 Sol.	11/16	.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 19/32

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® paste recommended with this connector



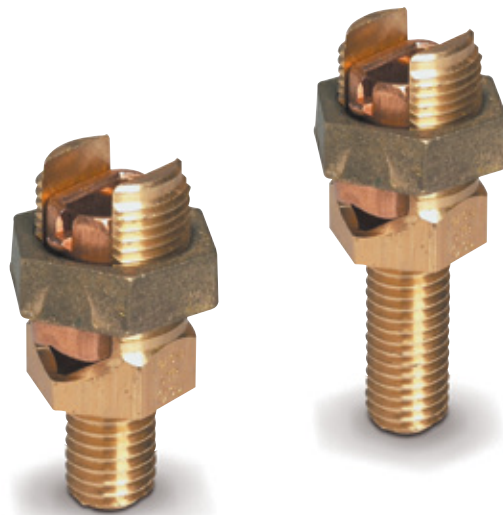
CAT. NO.	CONDUCTOR RANGE (AWG)		DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
	COPPER OR ALUMINUM					
6CA	4 Sol.-6 Sol.	4 Sol.-12 Sol.	17/32	.236	23/32	1 1/32
4CA	2 Sol.-4 Sol.	2 Sol.-10 Sol.	19/32	.272	25/32	1 19/32
2CA	1 Str.-4 Sol.	1 Str.-8 Sol.	11/16	.330	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 19/32

Service Post Connectors

For grounding of steel structures, fence posts or transformers using one or two cables.

Service Post Connectors

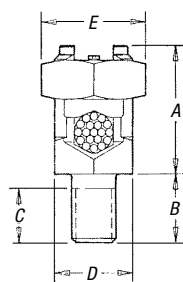
- For copper-to-copper connections
- For tapping one or two cables from bus bar
- Hex design bolts machined from high-conductivity bronze alloy
- Nuts and pressure bars cold-formed from high-strength copper or copper alloy
- Available in sizes for #12 – 500 kcmil stranded and #12 – #2 solid copper conductor
- Available in both single- and double-conductor versions
- UL® 486A and UL® 467 Listed



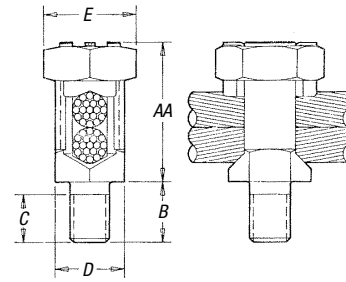
Blackburn Service Post Connectors are designed for applications including steel structure, fence post or transformer grounding involving one or two cables. They can also be used to tap one or two cables from bus bar.

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 kcmil size and above.

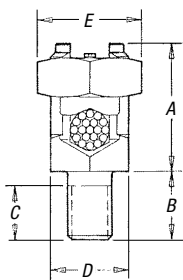
Bolts and nuts are of the traditional Blackburn® hex design for easy installation.



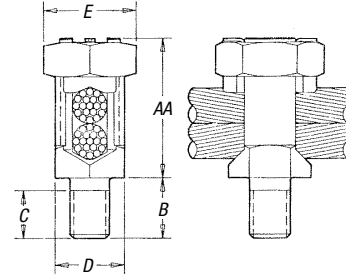
Single-Conductor Short Stud



Double-Conductor Short Stud



Single-Conductor Long Stud



Double-Conductor Long Stud

Service Post Connectors



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

CAT. NO.	CONDUCTOR RANGE				DIAMETER RANGE (IN.)	STUD SIZE	DIMENSIONS (IN.)						
	STRANDED		SOLID				A	AA	B	C	D	E	
SP-DS	SP-SS	MAX.	MIN.	MAX.	MIN.								
SP0DS	SP0SS	8 6mm ²	12 4mm ²	8 10mm ²	12 4mm ²	.146-.081 —	¼-20 x ½	1 ¹ / ₁₆	1 ³ / ₁₆	½	5 ⁵ / ₆₄	1 ⁵ / ₃₂	½
SP1DS	SP1SS	7 10mm ²	10 6mm ²	6 10mm ²	10 6mm ²	.164-.102 —	¼-20 x ½	1 ³ / ₁₆	3 ¹ / ₃₂	½	5 ⁵ / ₆₄	1 ⁵ / ₃₂	2 ¹ / ₃₂
SP2DS	SP2SS	5 16mm ²	10 6mm ²	4 —	10 —	.206-.102 —	5 ¹ / ₁₆ -18 x 5 ¹ / ₈	1 ⁵ / ₁₆	1 ¹ / ₈	5 ¹ / ₈	5 ³ / ₆₄	1 ⁷ / ₃₂	2 ³ / ₃₂
SP3DS	SP3SS	3 25mm ²	10 6mm ²	2 —	10 —	.26-.102 —	¾-16 x 5 ¹ / ₈	½	1 ¹ / ₄	5 ¹ / ₈	6 ¹ / ₆₄	5 ¹ / ₈	2 ⁵ / ₃₂
SP4DS	SP4SS	1 35mm ²	8 10mm ²	2 —	8 —	.332-.129 —	¾-16 x 5 ¹ / ₈	1 ¹ / ₁₆	1 ³ / ₈	5 ¹ / ₈	6 ¹ / ₆₄	1 ¹ / ₁₆	7 ¹ / ₈
SP5DS	SP5SS	1/0 50mm ²	2 35mm ²	1/0 —	2 —	.373-.258 —	½-13 x ¾	1 ¹ / ₄	1 ⁹ / ₃₂	¾	1 ⁵ / ₆₄	¾	1 ⁵ / ₁₆
SP6DS	SP6SS	2/0 50mm ²	2 35mm ²	2/0 —	2 —	.419-.258 —	½-13 x ¾	1 ¹³ / ₃₂	1 ¹³ / ₁₆	¾	1 ⁵ / ₆₄	7 ¹ / ₈	1 ¹ / ₁₆
SP8DS	SP8SS	4/0 95mm ²	2 35mm ²	4/0 —	1 —	.528-.289 —	5 ¹ / ₈ -11 x 1	1 ¹ / ₁₆	2 ¹ / ₁₆	1	1 ¹⁹ / ₆₄	1	1 ⁵ / ₁₆
SP9DS	SP9SS	350 150mm ²	1/0 50mm ²	— —	— —	.681-.373 —	5 ¹ / ₈ -11 x 1	2	2 ¹ / ₄	1 ¹ / ₄	1 ¹⁹ / ₆₄	1 ¹ / ₁₆	1 ¹¹ / ₁₆
SP10DS	SP10SS	500 240mm ²	3/0 95mm ²	— —	— —	.814-.47 —	¾-10 x 1 ¹ / ₄	2 ¹ / ₄	3 ¹ / ₈	1 ¹ / ₄	1 ³¹ / ₆₄	1 ¹ / ₂	1 ¹ / ₈

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

CAT. NO.	CONDUCTOR RANGE				DIAMETER RANGE (IN.)	STUD SIZE	DIMENSIONS (IN.)						
	STRANDED		SOLID				A	AA	B	C	D	E	
SP-SL	SP-DL	MAX.	MIN.	MAX.	MIN.								
SP0SL	SP0DL	8 6mm ²	12 4mm ²	8 10mm ²	12 4mm ²	.146-.081 —	¼-20 x 1	1 ¹ / ₁₆	1 ³ / ₁₆	1	5 ⁵ / ₆₄	1 ⁵ / ₃₂	½
SP1SL	SP1DL	7 10mm ²	10 6mm ²	6 10mm ²	10 6mm ²	.164-.102 —	¼-20 x 1	1 ³ / ₁₆	3 ¹ / ₃₂	1	5 ⁵ / ₆₄	1 ⁵ / ₃₂	2 ¹ / ₃₂
SP2SL	SP2DL	5 16mm ²	10 6mm ²	4 —	10 —	.206-.102 —	5 ¹ / ₁₆ -18 x 1	1 ⁵ / ₁₆	1 ¹ / ₈	1	5 ³ / ₆₄	1 ⁷ / ₃₂	2 ³ / ₃₂
SP3SL	SP3DL	3 25mm ²	10 6mm ²	2 —	10 —	.26-.102 —	¾-16 x 1 ¹ / ₈	1	1 ¹ / ₄	1 ¹ / ₈	6 ¹ / ₆₄	5 ¹ / ₈	2 ⁵ / ₃₂
SP4SL	SP4DL	1 35mm ²	8 10mm ²	2 —	8 —	.332-.129 —	¾-16 x 1 ¹ / ₈	1 ¹ / ₁₆	1 ³ / ₈	1 ¹ / ₈	6 ¹ / ₆₄	1 ¹ / ₁₆	7 ¹ / ₈
SP5SL	SP5DL	1/0 50mm ²	2 35mm ²	1/0 —	2 —	.373-.258 —	½-13 x 1 ¹ / ₄	1 ¹ / ₄	1 ⁹ / ₃₂	1 ¹ / ₄	1 ⁵ / ₆₄	¾	1 ⁵ / ₁₆
SP6SL	SP6DL	2/0 50mm ²	2 35mm ²	2/0 —	2 —	.419-.258 —	½-13 x 1 ¹ / ₄	1 ¹³ / ₃₂	1 ¹³ / ₁₆	1 ¹ / ₄	1 ⁵ / ₆₄	7 ¹ / ₈	1 ¹ / ₁₆
SP8SL	SP8DL	4/0 95mm ²	2 35mm ²	4/0 —	1 —	.528-.289 —	5 ¹ / ₈ -11 x 1 ¹ / ₂	1 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁹ / ₆₄	1	1 ⁵ / ₁₆
SP9SL	SP9DL	350 150mm ²	1/0 50mm ²	— —	— —	.681-.373 —	5 ¹ / ₈ -11 x 1 ¹ / ₂	2	2 ¹ / ₄	1 ¹ / ₂	1 ¹⁹ / ₆₄	1 ¹ / ₁₆	1 ¹¹ / ₁₆
SP10SL	SP10DL	500 240mm ²	3/0 95mm ²	— —	— —	.814-.47 —	¾-10 x 1 ³ / ₄	2 ¹ / ₄	3 ¹ / ₈	1 ¹ / ₂	1 ³¹ / ₆₄	1 ¹ / ₂	1 ¹ / ₈



Parallel Groove Connectors

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

Blackburn® Bronze ViceLock® Connectors

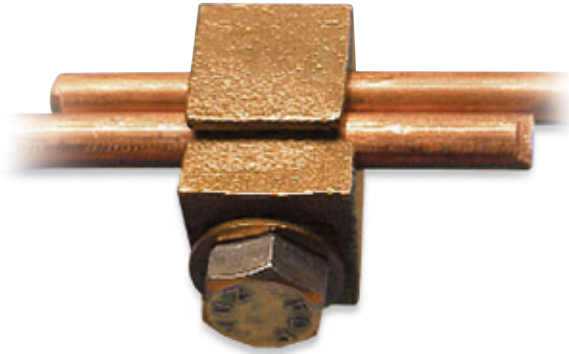
- Offer superior electrical performance
- Make a permanent connection
- Vibration resistant
- Install quickly and easily with no need for special or heavy tools
- Can be installed with live line tools
- V-grooves enable easy conductor alignment
- Simple to install without cross-threading
- Full thread 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

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.

Insulation Piercing 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
- Six sizes cover range from #10–500 kcmil
- UL® 486B Listed AL9CU (90° C rated)

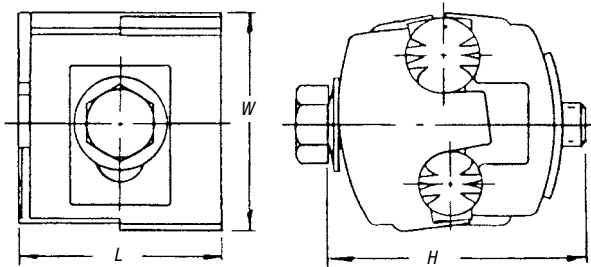


Fig. 1

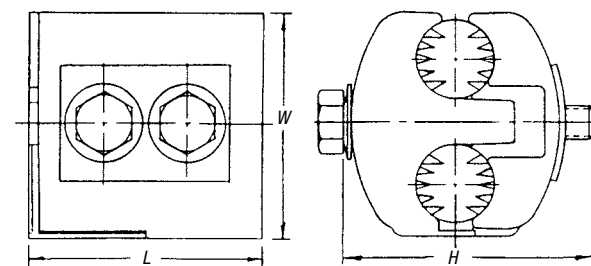


Fig. 2



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 ¹⁷ / ₃₂
	50–6	35–6					
IPC4111	4/0–1/0	1/0–6	2	2	2 ¹ / ₂	3	1 ¹⁹ / ₃₂
	95–50	50–16					
IPC4141	4/0–1/0	4/0–1/0	2	2	2 ⁵ / ₈	3 ¹ / ₄	1 ²⁹ / ₃₂
	95–50	95–50					
IPC5041*	500–350	4/0–4	1	1	2	2 ¹ / ₂	2 ¹ / ₈
	240–185	90–25					
IPC3535	350–4/0	350–4/0	2	2	2 ¹ / ₁₆	2 ¹ / ₂	2 ¹ / ₈
	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.

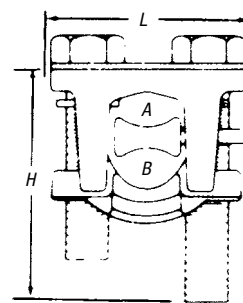
Type 2B — Two-Bolt Connector without Spacer

- 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	1/2	1 1/16	1 1/4	5/16
2B20BB	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.838	.420	1/2	1 1/16	1 1/4	5/16
2B40	4/0 Str.	1/0 Str.	4/0 Str.	6 Sol.	1.056	.530	9/16	1 23/32	1 3/4	3/8
2B350	350 kcmil	4/0 Str.	350 kcmil	4 Sol.	1.362	.726	3/4	2 1/8	2	1/2
2B500	500 kcmil	350 kcmil	500 kcmil	4 Sol.	1.626	.883	3/4	2 1/4	2 1/2	1/2
2B800	800 kcmil	600 kcmil	800 kcmil	2 Sol.	2.062	1.149	3/4	2 1/2	2 1/2	1/2
2B1000	1000 kcmil	750 kcmil	1000 kcmil	2 Sol.	2.304	1.255	15/16	2 31/32	2 3/4	5/8

UL 486A



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

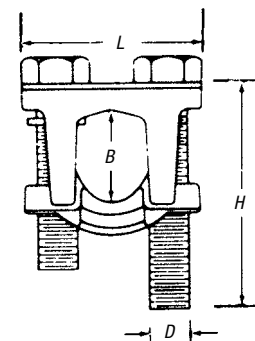
Type 2BX — One-Piece Two-Bolt Connector without Spacer

- 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	1/2	1 1/16	1 1/2	5/16
2B20X	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.838	.420	1/2	1 1/16	1 1/2	5/16
2B40X	4/0 Str.	1/0 Str.	4/0 Str.	6 Sol.	1.056	.530	9/16	1 23/32	1 1/8	3/8
2B350X	350 kcmil	4/0 Str.	350 kcmil	4 Sol.	1.362	.726	3/4	2 1/8	2 1/4	1/2
2B500X	500 kcmil	350 kcmil	500 kcmil	4 Sol.	1.626	.883	3/4	2 1/4	2 1/2	1/2
2B800X	800 kcmil	600 kcmil	800 kcmil	2 Sol.	2.062	1.149	3/4	2 1/2	2 3/4	1/2
2B1000X	1000 kcmil	750 kcmil	1000 kcmil	2 Sol.	2.304	1.255	15/16	2 31/32	3 1/4	5/8

UL 486A



Two-Bolt Connectors

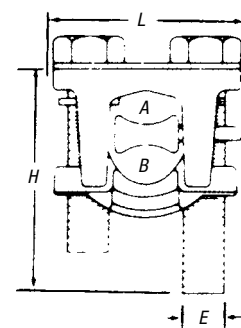
Ringed, contoured spacer swings easily over conductor.

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



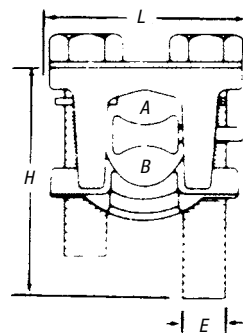
CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER				BOLT HEAD	DIMENSIONS (IN.)		
	MAIN		TAP		A		B			L	H	E
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.				
2B10W	1/0 Str.	2 Str.	1/0 Str.	10 Sol.	.373	.292	.373	.102	1/2	1 1/16	1 1/8	5/16
2B20W	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.419	.292	.419	.128	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	3/16	1 23/32	2 1/8	3/8
2B350W	350 kcmil	4/0 Str.	350 kcmil	4 Sol.	.681	.522	.681	.204	3/4	2 1/8	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 31/32	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.	.398	.292	.398	.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.	.447	.292	.447	.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.	.563	.368	.563	.162	3/16	1 23/32	2 1/8	3/8
2B350PW	350-4/0	350-4	350-4/0	350-4 Sol.	.680	.522	.680	.204	3/4	2 1/8	2 1/2	1/2
2B500PW	397.5-336.4	397.5-4	500-350	500-4 Sol.	.813	.679	.813	.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	.891	1.031	.258	3/4	2 1/2	3 1/4	1/2
2B1000PW	900-666.6	900-2	1000-750	1000-2 Sol.	1.162	.997	1.162	.258	1 1/16	2 31/32	3 3/4	5/8

Insulated Multi-Taps

These dual-rated blocks can be used with copper or aluminum cable.

Aluminum Multi-Tap Encapsulated Cable Blocks — One-Way Configuration

- Versatile design supports a wide range of cable sizes and number of outlets available in one-way configurations
- Clear PVC insulation enables safe and time-saving installation with no taping required
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	NO. OF OUTLETS	WIRE RANGE	SCREW SIZE	DIMENSIONS (IN.)		
				LENGTH	WIDTH	HEIGHT
Splices						
CSR 2/0	2	#14-2/0	3/8 Hex	2 3/4	7/8	1 1/8
CSR 250	2	#6-250		4 1/8	1 1/8	2 1/8
CSR 350	2	#6-350		4 3/4	1 3/8	2 1/2
CSR 500	2	2/0-500		6 1/2	1 3/8	2 1/8
Cable Blocks						
CSB 4-2 S	2	#4-#14	Slotted	1 1/8	1 3/8	1 1/8
CSB 4-3 S	3			1 1/16		
CSB 4-4 SAH*	4			2 1/16		
CSB 4-5 S	5			2 9/16		
CSB 4-6 S	6			3 1/16		
CSB 4-7 S	7			3 3/16		
CSB 4-8 SAH*	8			4 1/16		
CSB 2/0-2 S	2			2/0-#14		
CSB 2/0-3 S	3	2 3/8				
CSB 2/0-4 S	4	3 1/8				
CSB 2/0-5 S	5	3 3/8				
CSB 2/0-6 S	6	4 3/8				
CSB 2/0-7 S	7	5 3/8				
CSB 2/0-8 S	8	6 3/8				
CSB 250-2 S	2	250-#6	3/16 Hex		1 3/8	2 3/8
CSB 250-3 S	3			2 7/32		
CSB 250-4 S	4			3 13/16		
CSB 250-5 S	5			4 29/32		
CSB 250-6 S	6			5 3/4		
CSB 250-7 S	7			6 3/4		
CSB 250-8 S	8			7 5/64		
CSB 350-2 S	2			350-#10	3/16 Hex	
CSB 350-3 S	3	3 1/4				
CSB 350-4 S	4	4 1/4				
CSB 350-5 S	5	5 1/4				
CSB 350-6 S	6	6 1/4				
CSB 350-7 S	7	7 1/4				
CSB 350-8 S	8	8 1/4				
CSB 500-2 S	2	500-#6	3/16 Hex			2 7/8
CSB 500-3 S	3			4 1/8		
CSB 500-4 S	4			5 3/8		
CSB 500-5 S	5			6 3/8		
CSB 500-6 S	6			7 3/8		
CSB 500-7 S	7			9 1/8		
CSB 500-8 S	8			10 3/8		

* Not UL Listed, includes hex screw.

Insulated Multi-Taps

These dual-rated blocks can be used with copper or aluminum cable.

Aluminum Multi-Tap Encapsulated Cable Blocks — Two-Way Configuration

- Versatile design supports a wide range of cable sizes and number of outlets available in one-way configurations
- Clear PVC insulation enables safe and time-saving installation with no taping required
- Meets or exceeds ANSI C119.4 specifications



CSB 500-8



CAT. NO.	NO. OF OUTLETS	WIRE RANGE	SCREW SIZE	DIMENSIONS (IN.)		
				LENGTH	WIDTH	HEIGHT
CSB 4-2	2	#4-#14	Slotted	1 ¹ / ₈	1 ¹ / ₂	1 ¹ / ₈
CSB 4-3	3			1 ¹ / ₁₆		
CSB 4-4	4			2 ¹ / ₁₆		
CSB 4-5	5			2 ³ / ₁₆		
CSB 4-6	6			3 ¹ / ₁₆		
CSB 4-7	7			3 ³ / ₁₆		
CSB 4-8	8			4 ¹ / ₁₆		
CSB 2/0-2	2			2/0-#14		
CSB 2/0-3	3	2 ¹ / ₈				
CSB 2/0-4	4	3 ¹ / ₈				
CSB 2/0-5	5	3 ³ / ₈				
CSB 2/0-6	6	4 ¹ / ₈				
CSB 2/0-7	7	5 ¹ / ₈				
CSB 2/0-8	8	6 ¹ / ₈				
CSB 250-2	2	250-#6	5/16 Hex		1 ¹ / ₈	2 ¹ / ₂
CSB 250-3	3			2 ² / ₃₂		
CSB 250-4	4			3 ¹³ / ₁₆		
CSB 250-5	5			4 ²⁵ / ₃₂		
CSB 250-6	6			5 ³ / ₄		
CSB 250-7	7			6 ³ / ₄		
CSB 250-8	8			7 ⁴⁵ / ₆₄		
CSB 350-2	2			350-#10	3/8 Hex	
CSB 350-3	3	3 ¹ / ₄				
CSB 350-4	4	4 ¹ / ₄				
CSB 350-5	5	5 ¹ / ₄				
CSB 350-6	6	6 ¹ / ₄				
CSB 350-7	7	7 ¹ / ₄				
CSB 350-8	8	8 ¹ / ₄				
CSB 500-2	2	500-#6	3/8 Hex			2 ¹ / ₈
CSB 500-3	3			4 ¹ / ₈		
CSB 500-4	4			5 ¹ / ₈		
CSB 500-5	5			6 ¹ / ₈		
CSB 500-6	6			7 ¹ / ₈		
CSB 500-7	7			9 ¹ / ₈		
CSB 500-8	8			10 ³ / ₈		
CSB 750-2	2			750-1/0	3/8 Hex	3
CSB 750-3	3	4 ¹ / ₁₆				
CSB 750-4	4	5 ¹ / ₁₆				
CSB 750-5	5	7 ¹ / ₄				
CSB 750-6	6	8 ¹ / ₈				
CSB 750-7	7	10				
CSB 750-8	8	11 ¹ / ₁₆				
CSB 750-9	9	12 ³ / ₁₆				
CSB 750-10	10	14 ¹ / ₄				

Insulated Multi-Taps

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.

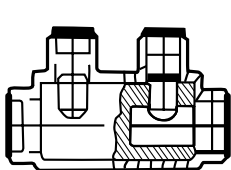


Fig. 1

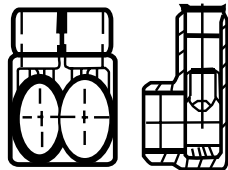


Fig. 2

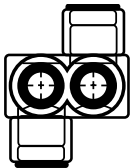


Fig. 3

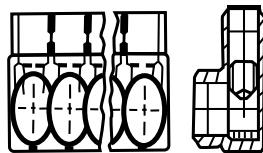


Fig. 4

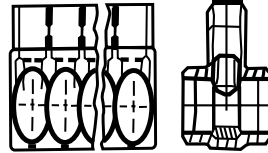


Fig. 5

AMT Aluminum Splice



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	—	250 kcmil–6 STR.	3.96	1.19	2.17	5/16	4
AMTSR350	1	—	350 kcmil–6 STR.	4.43	1.31	2.62	5/16	2
AMTSR500	1	—	500 kcmil–4 STR.	5.38	1.44	3.03	3/8	2
AMTSR750	1	—	750 kcmil–250 kcmil	7.25	1.75	3.16	1/2	2

AMT Splice Offset



CAT. NO.	FIGURE	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
AMTTC4	3	2	4–14 STR.	1.24	1.25	1.42	1/8	12
AMTT10	3	2	1/0–14 STR.	1.63	1.63	1.63	3/16	6
AMTT20	3	2	2/0–14 STR.	1.41	1.50	1.35	Slotted Screw	25
AMTT30	3	2	3/0–6 STR.	1.89	1.68	1.86	3/16	6
AMTT250	3	2	250 kcmil–10 STR.	2.03	2.63	2.2	5/16	25

Insulated Multi-Taps

AMT Multi-Port Connector "Same Side"



CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
AMTC4	2	2	4-14 STR.	1.11	1.10	1.35	Slotted Screw	25
AMTS4142	2	2	4-14 STR.	1.24	1.22	1.42	1/8	12
AMTS4143	4	3	4-14 STR.	1.7	1.22	1.42	1/8	12
AMTS4144	4	4	4-14 STR.	2.16	1.22	1.42	1/8	6
AMTS4145	4	5	4-14 STR.	2.61	1.22	1.42	1/8	6
AMTS4146	4	6	4-14 STR.	3.07	1.22	1.42	1/8	6
AMTS4147	4	7	4-14 STR.	3.53	1.22	1.42	1/8	4
AMTS4148	4	8	4-14 STR.	3.99	1.22	1.42	1/8	4
AMTS4149	4	9	4-14 STR.	4.45	1.22	1.42	1/8	4
AMTS41410	4	10	4-14 STR.	4.9	1.22	1.42	1/8	4
AMTS41411	4	11	4-14 STR.	5.36	1.22	1.42	1/8	3
AMTS41412	4	12	4-14 STR.	5.82	1.22	1.42	1/8	3
AMTS41413	4	13	4-14 STR.	6.28	1.22	1.42	1/8	2
AMTS41414	4	14	4-14 STR.	6.74	1.22	1.42	1/8	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
AMTS10148	4	8	1/0-14 STR.	5.42	1.53	1.63	3/16	4
AMTS10149	4	9	1/0-14 STR.	6.04	1.53	1.63	3/16	4
AMTS101410	4	10	1/0-14 STR.	6.67	1.53	1.63	3/16	4
AMTS101411	4	11	1/0-14 STR.	7.29	1.53	1.63	3/16	3
AMTS101412	4	12	1/0-14 STR.	7.92	1.53	1.63	3/16	3
AMTS101413	4	13	1/0-14 STR.	8.54	1.53	1.63	3/16	2
AMTS101414	4	14	1/0-14 STR.	9.17	1.53	1.63	3/16	2
AMT20	2	2	2/0-14 STR.	1.41	1.10	1.35	5/16	25
AMTS3062	2	2	3/0-6 STR.	1.89	1.58	1.86	3/16	12
AMTS3063	4	3	3/0-6 STR.	2.65	1.58	1.86	3/16	6
AMTS3064	4	4	3/0-6 STR.	3.42	1.58	1.86	3/16	6
AMTS3065	4	5	3/0-6 STR.	4.18	1.58	1.86	3/16	4
AMTS3066	4	6	3/0-6 STR.	4.95	1.58	1.86	3/16	4
AMTS3067	4	7	3/0-6 STR.	5.71	1.58	1.86	3/16	3
AMTS3068	4	8	3/0-6 STR.	6.48	1.58	1.86	3/16	3
AMTS3069	4	9	3/0-6 STR.	7.24	1.58	1.86	3/16	3
AMTS30610	4	10	3/0-6 STR.	8	1.58	1.86	3/16	2
AMTS30611	4	11	3/0-6 STR.	8.77	1.58	1.86	3/16	2
AMTS30612	4	12	3/0-6 STR.	9.54	1.58	1.86	3/16	2
AMTS30613	4	13	3/0-6 STR.	10.3	1.58	1.86	3/16	2
AMTS30614	4	14	3/0-6 STR.	11.07	1.58	1.86	3/16	2
AMT250	2	2	250 kcmil-10 STR.	2.03	2.00	2.20	5/16	25
AMTS25062	4	2	250 kcmil-6 STR.	2.17	1.91	2.17	5/16	6
AMTS25063	4	3	250 kcmil-6 STR.	3.07	1.91	2.17	5/16	6
AMTS25064	4	4	250 kcmil-6 STR.	3.96	1.91	2.17	5/16	6
AMTS25065	4	5	250 kcmil-6 STR.	4.85	1.91	2.17	5/16	4
AMTS25066	4	6	250 kcmil-6 STR.	5.75	1.91	2.17	5/16	4
AMTS25067	4	7	250 kcmil-6 STR.	6.64	1.91	2.17	5/16	3
AMTS25068	4	8	250 kcmil-6 STR.	7.53	1.91	2.17	5/16	3
AMTS25069	4	9	250 kcmil-6 STR.	8.42	1.91	2.17	5/16	3

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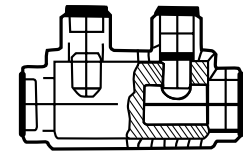


Fig. 1

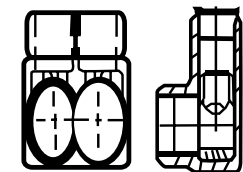


Fig. 2

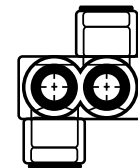


Fig. 3

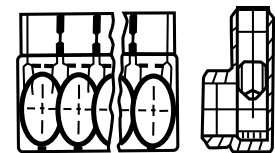


Fig. 4

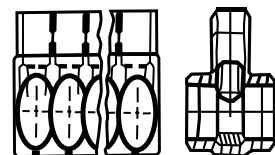


Fig. 5

Insulated Multi-Taps

AMT Multi-Port Connector "Same Side" (continued)



CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
AMTS250610	4	10	250 kcmil-6 STR.	9.32	1.91	2.17	5/16	2
AMTS250611	4	11	250 kcmil-6 STR.	10.21	1.91	2.17	5/16	2
AMTS250612	4	12	250 kcmil-6 STR.	11.1	1.91	2.17	5/16	2
AMTS250613	4	13	250 kcmil-6 STR.	12	1.91	2.17	5/16	1
AMTS250614	4	14	250 kcmil-6 STR.	12.89	1.91	2.17	5/16	1
AMT350	2	2	350 kcmil-10 STR.	2.35	2.13	2.63	5/16	25
AMTS35062	2	2	350 kcmil-6 STR.	2.51	2.03	2.62	5/16	4
AMTS35063	4	3	350 kcmil-6 STR.	3.56	2.03	2.62	5/16	4
AMTS35064	4	4	350 kcmil-6 STR.	4.61	2.03	2.62	5/16	3
AMTS35065	4	5	350 kcmil-6 STR.	5.66	2.03	2.62	5/16	3
AMTS35066	4	6	350 kcmil-6 STR.	6.71	2.03	2.62	5/16	2
AMTS35067	4	7	350 kcmil-6 STR.	7.76	2.03	2.62	5/16	2
AMTS35068	4	8	350 kcmil-6 STR.	8.81	2.03	2.62	5/16	2
AMTS35069	4	9	350 kcmil-6 STR.	9.86	2.03	2.62	5/16	2
AMTS350610	4	10	350 kcmil-6 STR.	10.91	2.03	2.62	5/16	2
AMTS350611	4	11	350 kcmil-6 STR.	11.96	2.03	2.62	5/16	1
AMTS350612	4	12	350 kcmil-6 STR.	13.01	2.03	2.62	5/16	1
AMTS350613	4	13	350 kcmil-6 STR.	14.06	2.03	2.62	5/16	1
AMTS350614	4	14	350 kcmil-6 STR.	15.11	2.03	2.62	5/16	1
AMT500	2	2	500 kcmil-6 STR.	2.62	2.16	2.91	3/8	25
AMTS50042	2	2	500 kcmil-4 STR.	2.97	2.28	3.04	3/8	3
AMTS50043	4	3	500 kcmil-4 STR.	4.12	2.28	3.04	3/8	3
AMTS50044	4	4	500 kcmil-4 STR.	5.28	2.28	3.04	3/8	3
AMTS50045	4	5	500 kcmil-4 STR.	6.44	2.28	3.04	3/8	2
AMTS50046	4	6	500 kcmil-4 STR.	7.59	2.28	3.04	3/8	2
AMTS50047	4	7	500 kcmil-4 STR.	8.75	2.28	3.04	3/8	2
AMTS50048	4	8	500 kcmil-4 STR.	9.9	2.28	3.04	3/8	2
AMTS50049	4	9	500 kcmil-4 STR.	11.06	2.28	3.04	3/8	2
AMTS500410	4	10	500 kcmil-4 STR.	12.22	2.28	3.04	3/8	1
AMTS500411	4	11	500 kcmil-4 STR.	13.37	2.28	3.04	3/8	1
AMTS500412	4	12	500 kcmil-4 STR.	14.53	2.28	3.04	3/8	1
AMTS500413	4	13	500 kcmil-4 STR.	15.68	2.28	3.04	3/8	1
AMTS500414	4	14	500 kcmil-4 STR.	16.84	2.28	3.04	3/8	1
AMTS7502502	4	2	750 kcmil-250 kcmil	3.47	2.75	3.31	1/2	3
AMTS7502503	4	3	750 kcmil-250 kcmil	4.89	2.75	3.31	1/2	3
AMTS7502504	4	4	750 kcmil-250 kcmil	6.32	2.75	3.31	1/2	2
AMTS7502505	4	5	750 kcmil-250 kcmil	7.74	2.75	3.31	1/2	1
AMTS7502506	4	6	750 kcmil-250 kcmil	9.16	2.75	3.31	1/2	1
AMTS7502507	4	7	750 kcmil-250 kcmil	10.58	2.75	3.31	1/2	1
AMTS7502508	4	8	750 kcmil-250 kcmil	12	2.75	3.31	1/2	1
AMTS7502509	4	9	750 kcmil-250 kcmil	13.43	2.75	3.31	1/2	1
AMTS75025010	4	10	750 kcmil-250 kcmil	14.85	2.75	3.31	1/2	1
AMTS75025011	4	11	750 kcmil-250 kcmil	16.27	2.75	3.31	1/2	1
AMTS75025012	4	12	750 kcmil-250 kcmil	17.69	2.75	3.31	1/2	1
AMTS75025013	4	13	750 kcmil-250 kcmil	19.11	2.75	3.31	1/2	1
AMTS75025014	4	14	750 kcmil-250 kcmil	20.54	2.75	3.31	1/2	1

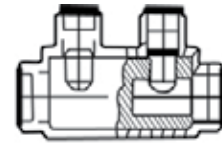


Fig. 1

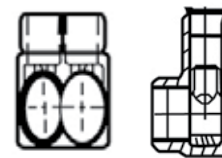


Fig. 2

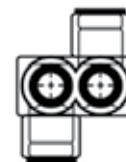


Fig. 3

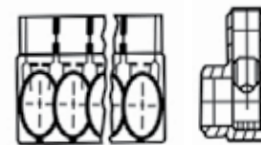


Fig. 4

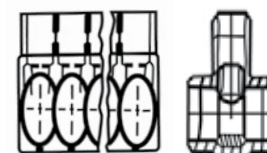


Fig. 5

Insulated Multi-Taps

AMT Multi-Port Connector "Double" Both Sides



CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
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	3/16	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	5	14	3/0-6 STR.	11.07	1.68	1.86	3/16	2
AMTD25062	5	2	250 kcmil-6 STR.	2.17	2.13	2.17	5/16	6
AMTD25063	5	3	250 kcmil-6 STR.	3.07	2.13	2.17	5/16	6
AMTD25064	5	4	250 kcmil-6 STR.	3.96	2.13	2.17	5/16	6
AMTD25065	5	5	250 kcmil-6 STR.	4.85	2.13	2.17	5/16	4
AMTD25066	5	6	250 kcmil-6 STR.	5.75	2.13	2.17	5/16	4
AMTD25067	5	7	250 kcmil-6 STR.	6.64	2.13	2.17	5/16	3
AMTD25068	5	8	250 kcmil-6 STR.	7.53	2.13	2.17	5/16	3
AMTD25069	5	9	250 kcmil-6 STR.	8.42	2.13	2.17	5/16	3
AMTD250610	5	10	250 kcmil-6 STR.	9.32	2.13	2.17	5/16	2
AMTD250611	5	11	250 kcmil-6 STR.	10.21	2.13	2.17	5/16	2
AMTD250612	5	12	250 kcmil-6 STR.	11.1	2.13	2.17	5/16	2
AMTD250613	5	13	250 kcmil-6 STR.	12	2.13	2.17	5/16	1
AMTD250614	5	14	250 kcmil-6 STR.	12.89	2.13	2.17	5/16	1

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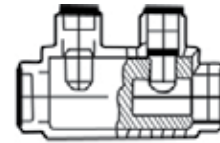


Fig. 1

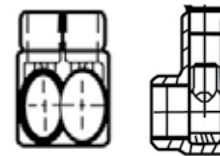


Fig. 2

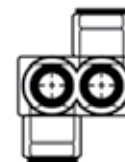


Fig. 3

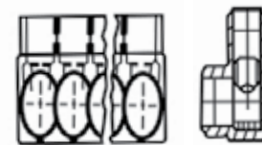


Fig. 4

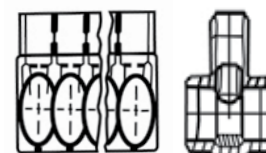


Fig. 5

Insulated Multi-Taps

AMT Multi-Port Connector "Double" Both Sides (continued)



CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
AMTD35062	5	2	350 kcmil-6 STR.	2.51	2.25	2.62	5/16	4
AMTD35063	5	3	350 kcmil-6 STR.	3.56	2.25	2.62	5/16	4
AMTD35064	5	4	350 kcmil-6 STR.	4.61	2.25	2.62	5/16	3
AMTD35065	5	5	350 kcmil-6 STR.	5.67	2.25	2.62	5/16	3
AMTD35066	5	6	350 kcmil-6 STR.	6.71	2.25	2.62	5/16	3
AMTD35067	5	7	350 kcmil-6 STR.	7.76	2.25	2.62	5/16	2
AMTD35068	5	8	350 kcmil-6 STR.	8.81	2.25	2.62	5/16	2
AMTD35069	5	9	350 kcmil-6 STR.	9.86	2.25	2.62	5/16	2
AMTD350610	5	10	350 kcmil-6 STR.	10.91	2.25	2.62	5/16	2
AMTD350611	5	11	350 kcmil-6 STR.	11.96	2.25	2.62	5/16	1
AMTD350612	5	12	350 kcmil-6 STR.	13.01	2.25	2.62	5/16	1
AMTD350613	5	13	350 kcmil-6 STR.	14.06	2.25	2.62	5/16	1
AMTD350614	5	14	350 kcmil-6 STR.	15.11	2.25	2.62	5/16	1
AMTD50042	5	2	500 kcmil-4 STR.	2.97	2.63	3.04	3/8	3
AMTD50043	5	3	500 kcmil-4 STR.	4.12	2.63	3.04	3/8	3
AMTD50044	5	4	500 kcmil-4 STR.	5.28	2.63	3.04	3/8	3
AMTD50045	5	5	500 kcmil-4 STR.	6.44	2.63	3.04	3/8	2
AMTD50046	5	6	500 kcmil-4 STR.	7.59	2.63	3.04	3/8	2
AMTD50047	5	7	500 kcmil-4 STR.	8.75	2.63	3.04	3/8	2
AMTD50048	5	8	500 kcmil-4 STR.	9.9	2.63	3.04	3/8	2
AMTD50049	5	9	500 kcmil-4 STR.	11.06	2.63	3.04	3/8	2
AMTD500410	5	10	500 kcmil-4 STR.	12.22	2.63	3.04	3/8	1
AMTD500411	5	11	500 kcmil-4 STR.	13.37	2.63	3.04	3/8	1
AMTD500412	5	12	500 kcmil-4 STR.	14.53	2.63	3.04	3/8	1
AMTD500413	5	13	500 kcmil-4 STR.	15.68	2.63	3.04	3/8	1
AMTD500414	5	14	500 kcmil-4 STR.	16.84	2.63	3.04	3/8	1
AMTD7502502	5	2	750 kcmil-250 kcmil	3.47	3.25	3.31	1/2	3
AMTD7502503	5	3	750 kcmil-250 kcmil	4.89	3.25	3.31	1/2	3
AMTD7502504	5	4	750 kcmil-250 kcmil	6.32	3.25	3.31	1/2	2
AMTD7502505	5	5	750 kcmil-250 kcmil	7.74	3.25	3.31	1/2	1
AMTD7502506	5	6	750 kcmil-250 kcmil	9.16	3.25	3.31	1/2	1
AMTD7502507	5	7	750 kcmil-250 kcmil	10.58	3.25	3.31	1/2	1
AMTD7502508	5	8	750 kcmil-250 kcmil	12	3.25	3.31	1/2	1
AMTD7502509	5	9	750 kcmil-250 kcmil	13.43	3.25	3.31	1/2	1
AMTD75025010	5	10	750 kcmil-250 kcmil	14.85	3.25	3.31	1/2	1
AMTD75025011	5	11	750 kcmil-250 kcmil	16.27	3.25	3.31	1/2	1
AMTD75025012	5	12	750 kcmil-250 kcmil	17.69	3.25	3.31	1/2	1
AMTD75025013	5	13	750 kcmil-250 kcmil	19.11	3.25	3.31	1/2	1
AMTD75025014	5	14	750 kcmil-250 kcmil	20.54	3.25	3.31	1/2	1

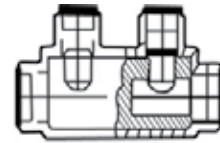


Fig. 1

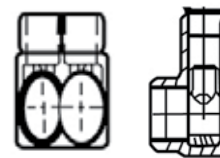


Fig. 2

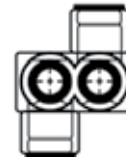


Fig. 3

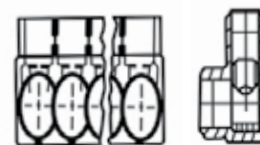


Fig. 4

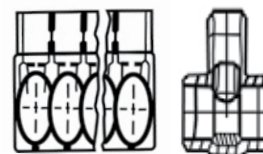


Fig. 5

Insulated Multi-Taps

AMT Multi-Port Connector "Double" Both Sides (continued)



CAT. NO.	FIG.	NO. OF PORTS	WIRE RANGE	LENGTH	WIDTH	HEIGHT	HEX SIZE	STD. PKG. QTY.
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	250 kcmil-6 STR.	3.96	2.13	2.17	5/16	6
AMTDM25063	5	3	250 kcmil-6 STR.	4.85	2.13	2.17	5/16	4
AMTDM25064	5	4	250 kcmil-6 STR.	5.73	2.13	2.17	5/16	4
AMTDM25065	5	5	250 kcmil-6 STR.	6.64	2.13	2.17	5/16	3
AMTDM25066	5	6	250 kcmil-6 STR.	7.53	2.13	2.17	5/16	3
AMTDM25067	5	7	250 kcmil-6 STR.	8.42	2.13	2.17	5/16	3
AMTDM25068	5	8	250 kcmil-6 STR.	9.32	2.13	2.17	5/16	2
AMTDM25069	5	9	250 kcmil-6 STR.	10.21	2.13	2.17	5/16	2
AMTDM250610	5	10	250 kcmil-6 STR.	11.1	2.13	2.17	5/16	2
AMTDM250611	5	11	250 kcmil-6 STR.	12	2.13	2.17	5/16	1
AMTDM250612	5	12	250 kcmil-6 STR.	12.89	2.13	2.17	5/16	1
AMTDM35062	5	2	350 kcmil-6 STR.	4.61	2.25	2.62	5/16	3
AMTDM35063	5	3	350 kcmil-6 STR.	5.67	2.25	2.62	5/16	3
AMTDM35064	5	4	350 kcmil-6 STR.	6.71	2.25	2.62	5/16	3
AMTDM35065	5	5	350 kcmil-6 STR.	7.76	2.25	2.62	5/16	2
AMTDM35066	5	6	350 kcmil-6 STR.	8.81	2.25	2.62	5/16	2
AMTDM35067	5	7	350 kcmil-6 STR.	9.86	2.25	2.62	5/16	2
AMTDM35068	5	8	350 kcmil-6 STR.	10.91	2.25	2.62	5/16	2
AMTDM35069	5	9	350 kcmil-6 STR.	11.96	2.25	2.62	5/16	1
AMTDM350610	5	10	350 kcmil-6 STR.	13.01	2.25	2.62	5/16	1
AMTDM350611	5	11	350 kcmil-6 STR.	14.06	2.25	2.62	5/16	1
AMTDM350612	5	12	350 kcmil-6 STR.	15.11	2.25	2.62	5/16	1
AMTDM50042	5	2	500 kcmil-4 STR.	5.25	2.63	3.04	3/8	3
AMTDM50043	5	3	500 kcmil-4 STR.	6.44	2.63	3.04	3/8	2
AMTDM50044	5	4	500 kcmil-4 STR.	7.59	2.63	3.04	3/8	2
AMTDM50045	5	5	500 kcmil-4 STR.	8.75	2.63	3.04	3/8	2
AMTDM50046	5	6	500 kcmil-4 STR.	9.9	2.63	3.04	3/8	2
AMTDM50047	5	7	500 kcmil-4 STR.	11.06	2.63	3.04	3/8	2
AMTDM50048	5	8	500 kcmil-4 STR.	12.22	2.63	3.04	3/8	1
AMTDM50049	5	9	500 kcmil-4 STR.	13.37	2.63	3.04	3/8	1
AMTDM500410	5	10	500 kcmil-4 STR.	14.53	2.63	3.04	3/8	1
AMTDM500411	5	11	500 kcmil-4 STR.	15.68	2.63	3.04	3/8	1
AMTDM500412	5	12	500 kcmil-4 STR.	16.84	2.63	3.04	3/8	1
AMTDM7502502	5	2	750 kcmil-250 kcmil	6.32	3.25	3.31	1/2	2
AMTDM7502503	5	3	750 kcmil-250 kcmil	7.74	3.25	3.31	1/2	1
AMTDM7502504	5	4	750 kcmil-250 kcmil	9.16	3.25	3.31	1/2	1
AMTDM7502505	5	5	750 kcmil-250 kcmil	10.58	3.25	3.31	1/2	1
AMTDM7502506	5	6	750 kcmil-250 kcmil	12	3.25	3.31	1/2	1
AMTDM7502507	5	7	750 kcmil-250 kcmil	13.43	3.25	3.31	1/2	1
AMTDM7502508	5	8	750 kcmil-250 kcmil	14.85	3.25	3.31	1/2	1
AMTDM7502509	5	9	750 kcmil-250 kcmil	16.27	3.25	3.31	1/2	1
AMTDM75025010	5	10	750 kcmil-250 kcmil	17.69	3.25	3.31	1/2	1
AMTDM75025011	5	11	750 kcmil-250 kcmil	19.11	3.25	3.31	1/2	1
AMTDM75025012	5	12	750 kcmil-250 kcmil	20.54	3.25	3.31	1/2	1

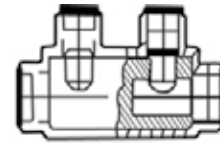


Fig. 1

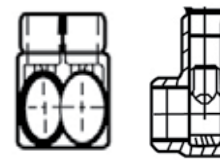


Fig. 2

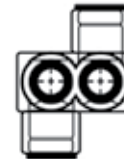


Fig. 3



Fig. 4

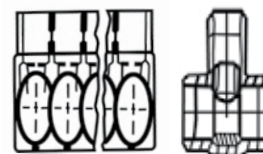


Fig. 5

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

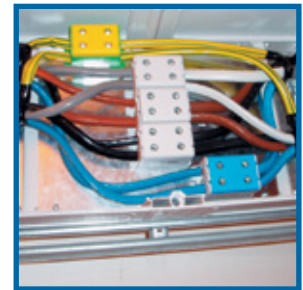
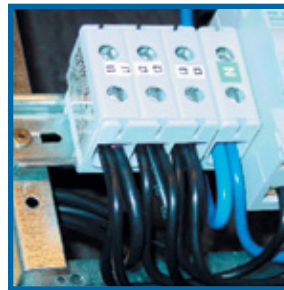
Typical Applications

- 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



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



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.



Terminal 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

Tapping Blocks

- One pole, four identical terminals
- Suitable for extending or branching both aluminum and copper conductors
- Standard catalog no. is gray (Add B suffix for blue or G suffix for green/yellow)

Power Distribution Blocks

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)

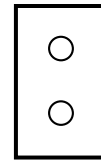


Figure 1

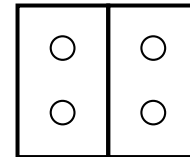


Figure 2

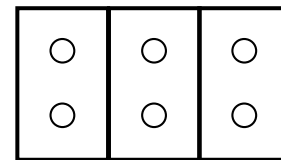


Figure 3

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	FIGURE
PDS610	Al		1	1	1	1	1										Figure 1
	Cu		1	1	1	1	1										
	Cu		2														
	Cu	3															
PDS3610	Al		1	1	1	1	1										Figure 3
	Cu		1	1	1	1	1										
	Cu		2														
	Cu	3															
PDS440	Al			1	1	1	1	1	1	1	1						Figure 1
	Cu			1	1	1	1	1	1	1	1						
	Cu		2	2	2	2											
	Cu	3															
PDS2300	Al					1	1	1	1	1	1	1	1				Figure 2
	Cu					1	1	1	1	1	1	1	1				
	Cu					2	2	2									
	Cu					3	3	3	2	1	1	1	1	1	1	1	
PDS30500	Al									1	1	1	1	1	1	1	Figure 1
	Cu									1	1	1	1	1	1	1	
	Cu					2	2	2	2								
	Cu					3	3	3									
PDS2610	Al		1	1	1	1	1										Figure 2
	Cu		1	1	1	1	1										
	Cu		2														
	Cu	3															
PDS2440	Al			1	1	1	1	1	1	1	1						Figure 2
	Cu			1	1	1	1	1	1	1	1						
	Cu		2	2	2	2											
	Cu	3															
PDS22300	Al					1	1	1	1	1	1	1	1				Figure 2
	Cu					1	1	1	1	1	1	1	1				
	Cu					2	2	2									
	Cu					3	3	3	2	1	1	1	1	1	1	1	
PDS230500	Al									1	1	1	1	1	1	1	Figure 2
	Cu									1	1	1	1	1	1	1	
	Cu					2	2	2	2								
	Cu					3	3	3									

Power Distribution Blocks

Power Distribution Blocks

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	.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	.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	.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	.9"W x 3.4"H x 1.9"D		30
PDS440B	4/0 – 4 AWG Cu or Al	230A Cu/180A Al	126 lb.-in.	5mm	Top Hat Rail or Screw	.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	.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 Connectors

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

Anti-Rotational Connectors

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.

- 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



Connectors & Grounding — Blackburn® Mechanical Connectors

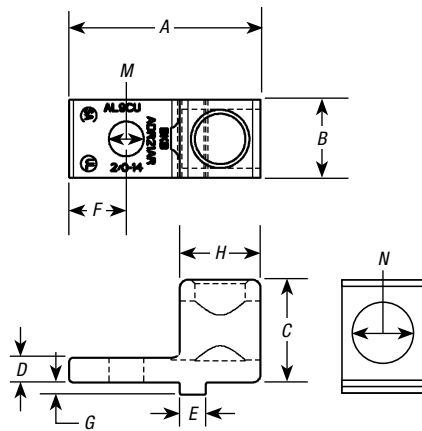


Fig. 1

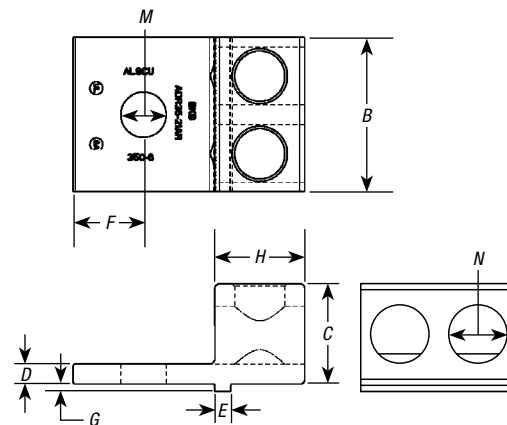


Fig. 2



CAT. NO.	WIRE RANGE	BOLT HOLE (IN.)	DIMENSIONS										FIG.
			A	B	C	D	E	F	G	H	M	N	
ADR21-AR	2/0-14 AWG	¼	1.470	.600	.790	.190	.200	.438	.094	.620	.267	.453	1
ADR30-AR	300 kcmil-6 AWG	⅞	2.000	1.000	1.120	.250	.200	.468	.094	1.000	.330	.656	1
ADR35-AR	350 kcmil-6 AWG	⅞	2.250	1.120	1.125	.250	.200	.485	.094	1.120	.408	.719	1
ADR60-AR	600 kcmil-2 AWG	½	3.120	1.500	1.560	.440	.200	.720	.094	1.380	.408	.938	1
ADR35-21-AR	350 kcmil-6 AWG	¾	2.880	1.500	1.250	.250	.200	.875	.094	1.120	.563	.719	2
ADR60-21-AR	600 kcmil-2 AWG	½	3.120	2.400	1.560	.440	.200	.555	.094	1.380	.531	.938	2

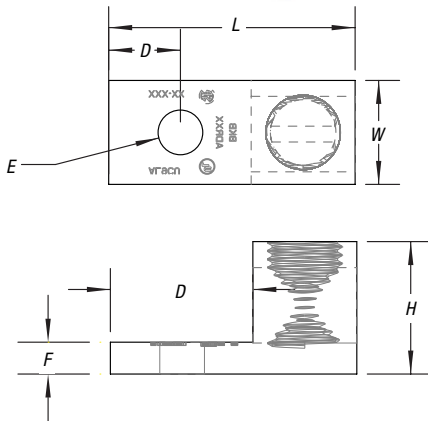
Dual-Rated Mechanical Connectors

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

- 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

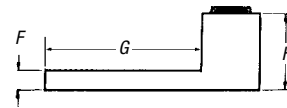
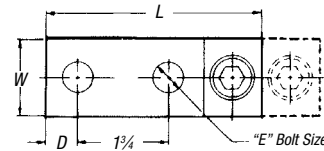
Type ADR— ALCÜL™ Single-Conductor, One-Hole Mount*



CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)						
	MAX.	MIN.	L	W	H	D	E	F	G
Slotted Screw									
ADR6	#6 Str.	#14	1 3/64	1/2	3 1/64	1 5/64	1/4	5/64	4 3/64
ADR2	#2 Str.	#14	1 1/32	1/2	9/16	1 9/64	1/4	7/64	1 1/16
ADR11	1/0 Str.	#14	1 13/32	5/8	2 5/32	7/16	1/4	3/16	2 1/32
ADR21	2/0 Str.	#14	1 13/32	5/8	2 5/32	7/16	1/4	3/16	2 1/32
Socket Screw									
ADR25	250	#6 Str.	2	1	1 1/8	1 5/32	5/16	1/4	1
ADR30	300	#6 Str.	2	1	1 1/8	1 5/32	5/16	1/4	1
ADR35	350	#6 Str.	2 1/4	1 1/8	1 1/4	1/2	3/8	1/4	1 1/8
ADR50	500	#4 Str.	2 3/16	1 1/2	1 1/16	3/4	3/8	5/16	1 13/32
ADR60	600	#2 Str.	3 3/16	1 1/2	1 1/16	1 1/16	3/8	7/16	1 13/16
ADR6004*	600 (2) 250	#4 Str. (2) 1/0 Str.	2 3/16	1 3/8	1 13/16	5/8	3/8	5/16	1 1/2
ADR80	800	300	3 3/8	1 3/4	1 15/16	5/8	5/8	1/2	1 3/4
ADR99	1000	500	3 3/8	1 3/4	1 15/16	5/8	5/8	1/2	1 3/4

* Not UL Listed or CSA Certified.

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



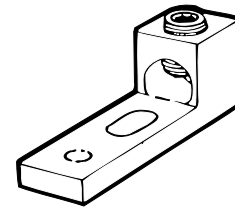
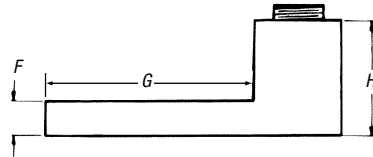
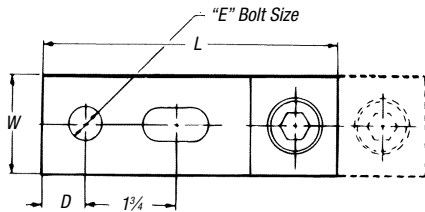
CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)						
	MAX.	MIN.	L	W	H	D	E	F	G
ADR35-12#	350 kcmil	6 Str.	4 1/4	1 1/4	1 1/8	5/8	1/2	5/16	3
ADR60-12D	600 kcmil	2 Str.	5 5/16	1 1/2	1 1/2	5/8	1/2	3/8	3 1/16
ADR80-12D	800 kcmil	300 kcmil	6 3/16	1 3/4	1 1/8	5/8	1/2	5/16	3 1/16
ADR99-12D	1,000 kcmil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

* NEMA spacing: 1 1/4" 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*

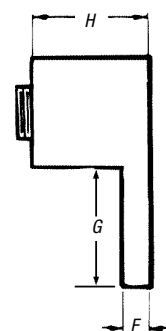
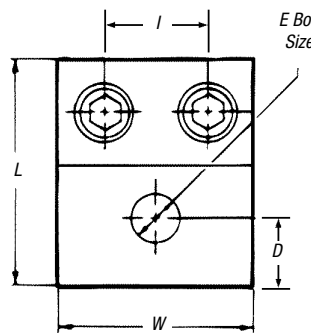


CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)						
	MAX.	MIN.	L	W	H	D	E	F	G
ADR25-12S	250 kcmil	3/0 Str.	3	1	1 ⁵ / ₁₆	1/2	3/8	1/4	2
ADR35-12S	350 kcmil	4 Str.	4 ¹ / ₁₆	1 ¹ / ₄	1 ¹ / ₁₆	2 ³ / ₃₂	1/2	7/16	3 ³ / ₁₆
ADR50-12S	500 kcmil	400 kcmil	4 ¹ / ₁₆	1 ¹ / ₄	1 ¹ / ₁₆	2 ³ / ₃₂	1/2	7/16	3 ³ / ₁₆
ADR80-12DS	800 kcmil	300 kcmil	6 ³ / ₁₆	1 ⁵ / ₈	1 ¹ / ₈	2 ³ / ₃₂	1/2	9/16	3 ³ / ₁₆
ADR99-12DS	1,000 kcmil	350 kcmil	6 ³ / ₁₆	1 ⁵ / ₈	1 ¹ / ₈	2 ³ / ₃₂	1/2	9/16	3 ³ / ₁₆

* NEMA Spacing: 1¹/₄" 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	1 ¹ / ₃₂	1 ¹ / ₃₂	2 ⁵ / ₃₂	7/16	1/4	3/16	2 ¹ / ₃₂	3 ⁵ / ₆₄
ADR21-21*	2/0 Str.	#14	1 ¹ / ₃₂	1 ¹ / ₄	2 ⁵ / ₃₂	2 ⁷ / ₆₄	1/4	3/16	2 ¹ / ₃₂	2 ¹ / ₃₂
ADR25-21	250	#6 Str.	2 ⁷ / ₁₆	1 ⁴ / ₆₄	1 ¹ / ₁₆	7/8	3/8	1/4	1 ¹ / ₁₆	1 ³ / ₁₆
ADR35-21	350	#6 Str.	2 ⁷ / ₁₆	1 ⁵ / ₆₄	1 ¹ / ₄	7/8	1/2	1/4	1 ¹ / ₄	6 ¹ / ₆₄
ADR60-21	600	#2 Str.	3 ³ / ₁₆	2 ¹³ / ₃₂	1 ¹ / ₁₆	5/8	1/2	7/16	1 ¹³ / ₁₆	1 ¹ / ₃₂
ADR80-21	800	300	3 ³ / ₁₆	3 ³ / ₁₆	1 ¹⁵ / ₁₆	7/8	5/8	1/2	1 ³ / ₄	1 ⁵ / ₈
ADR99-21	1000	500	3 ³ / ₁₆	3 ³ / ₁₆	1 ¹⁵ / ₁₆	7/8	5/8	1/2	1 ³ / ₄	1 ⁵ / ₈

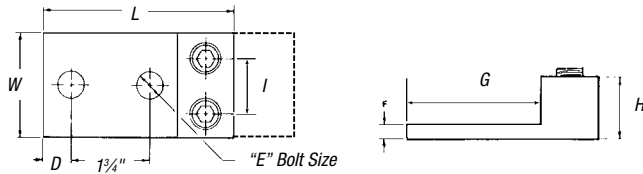
* Not CSA Certified.

UL 486B

AL9CU

Dual-Rated Mechanical Connectors

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



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 1/64	1 3/8	5/8	1/2	5/16	3	1 1/32
ADR60-22D	2	600 kcmil	2 Str.	5 1/16	2 3/4	1 1/2	5/8	1/2	3/8	3 1/16	1 1/16
ADR80-22D	2	800 kcmil	300 kcmil	6 1/16	3 1/2	1 1/8	5/8	1/2	1/4	3 1/16	1 13/16
ADR99-22D	2	1,000 kcmil	500 kcmil	6 1/16	3 1/2	1 1/8	5/8	1/2	1/16	3 1/16	1 13/16

* NEMA Spacing: 1 1/4" centers.

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

UL 486B, AL9CU

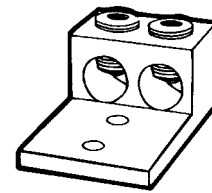


Fig. 1

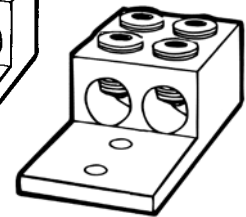


Fig. 2

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

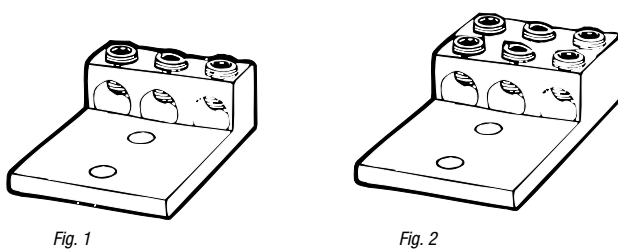


Fig. 1

Fig. 2

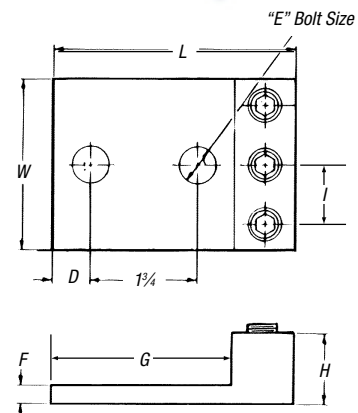


CAT. NO.	FIG.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)							
		MAX.	MIN.	L	W	H	D	E	F	G	I
ADR02-32	1	2 Str.	14 AWG	2 3/16	1 3/8	3/8	1 1/32	5/16	3/16	1 1/16	9/16
ADR11-32	1	1/0 Str.	14 AWG	2 29/64	2	7/8	1 1/32	3/8	1/4	2 7/32	4 5/64
ADR31-32	1	3/0 Str.	6 Str.	4	2 1/16	1 1/8	5/8	1/2	5/16	3	3 1/32
ADR25-32	1	250 kcmil	6 Str.	4 3/16	2 1/16	1 1/4	5/8	1/2	1/4	3 1/16	3 1/32
ADR35-32	1	350 kcmil	6 Str.	4 3/16	3 3/16	1 1/4	5/8	1/2	1/4	3 1/16	1 1/32
ADR50-32	1	500 kcmil	4 Str.	4 11/16	3 3/4	1 1/8	5/8	1/2	7/16	3 1/16	1 1/4
ADR60-32D	2	600 kcmil	2 Str.	5 1/16	4 3/16	1 1/2	5/8	1/2	3/8	3 1/16	1 1/16
ADR80-32	2	800 kcmil	300 kcmil	6 1/16	4 1/2	1 1/8	5/8	1/2	1/16	3 1/16	1 1/16
ADR99-32	2	1,000 kcmil	500 kcmil	6 1/16	4 3/4	1 1/8	5/8	1/2	1/16	3 1/16	1 13/16

* NEMA Spacing: 1 1/4" centers except ADR02-32 (7/8" centers) and ADR11-32 (1" centers).

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

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Dual-Rated Mechanical Connectors

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

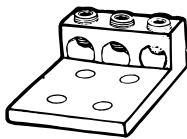


Fig. 1

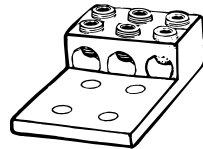


Fig. 2

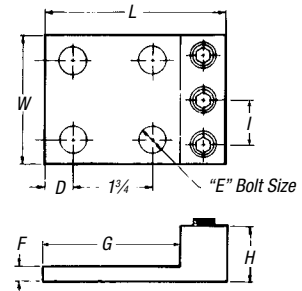


CAT. NO.	FIG.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)								
		MAX.	MIN.	L	W	H	D	E	F	G	I	
ADR02-34	1	2 Str.	14 AWG	2 ³ / ₁₆	1 ⁵ / ₈	5	1 ¹ / ₂	5 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆	3 ¹ / ₁₆	9 ¹ / ₁₆
ADR11-34	1	1/0 Str.	14 AWG	2 ²⁹ / ₃₂	2	7 ¹ / ₈	1 ¹ / ₂	3 ¹ / ₈	1 ¹ / ₄	2 ⁵ / ₃₂	4 ⁵ / ₆₄	
ADR31-34	1	3/0 Str.	6 Str.	4	2 ¹ / ₁₆	1 ³ / ₁₆	5 ¹ / ₈	1 ¹ / ₂	5 ¹ / ₁₆	3	3 ¹ / ₃₂	
ADR25-34*	1	250 kcmil	6 Str.	4 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₄	5 ¹ / ₈	1 ¹ / ₂	1 ¹ / ₄	3 ¹ / ₁₆	3 ¹ / ₃₂	
ADR35-34*	1	350 kcmil	6 Str.	4 ¹ / ₁₆	3 ³ / ₁₆	1 ¹ / ₄	5 ¹ / ₈	1 ¹ / ₂	1 ¹ / ₄	3 ¹ / ₁₆	1 ¹ / ₃₂	
ADR50-34*	1	500 kcmil	2 Str.	4 ¹ / ₁₆	3 ³ / ₄	1 ¹ / ₁₆	5 ¹ / ₈	1 ¹ / ₂	7 ¹ / ₁₆	3 ¹ / ₁₆	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	3 ¹ / ₈	3 ¹ / ₁₆	1 ¹ / ₁₆	
ADR80-34*	2	800 kcmil	300 kcmil	6 ¹ / ₁₆	4 ¹ / ₂	1 ¹ / ₈	5 ¹ / ₈	1 ¹ / ₂	9 ¹ / ₁₆	3 ¹ / ₁₆	1 ¹ / ₁₆	
ADR99-34*	2	1,000 kcmil	500 kcmil	6 ¹ / ₁₆	4 ³ / ₄	1 ¹ / ₈	5 ¹ / ₈	1 ¹ / ₂	9 ¹ / ₁₆	3 ¹ / ₁₆	1 ⁴ / ₆₄	

* UL Listed.

** NEMA Spacing: 1¹/₄" centers except ADR02-34 (7¹/₈" centers) and ADR11-34 (1" centers).
Connectors accommodating conductors 600 kcmil and larger have double row of set screws.

UL 486B, AL9CU



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



Fig. 1



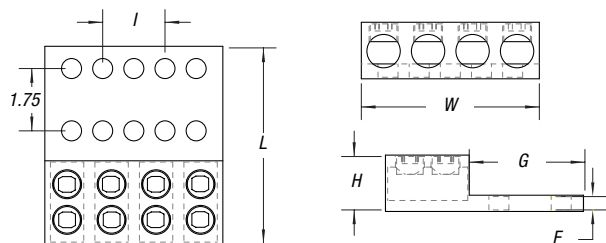
Fig. 2



CAT. NO.	CONDUCTOR RANGE		MOUNTING HOLES				G	F
	MAX.	MIN.	L	W	H			
ADR25-44	250	#6	4.00	4.06	1.19	1.75	3.00	.31
ADR35-44	350	#6	4.31	3.94	1.38	1.75	3.00	.31
ADR60-44D	600	#2	5.50	5.00	1.50	1.75	3.25	.38
ADR80-44D	800	350	5.97	6.00	1.81	1.75	3.63	.50

* NEMA Spacing: 1¹/₄" centers.

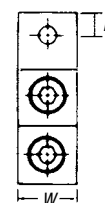
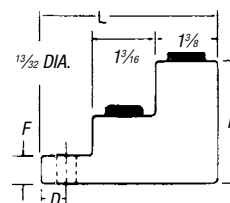
Connectors accommodating conductors 600 kcmil and larger have double row of set screws (D Suffix).



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 ⁵ / ₃₂	1 ¹ / ₂	5 ¹ / ₁₆



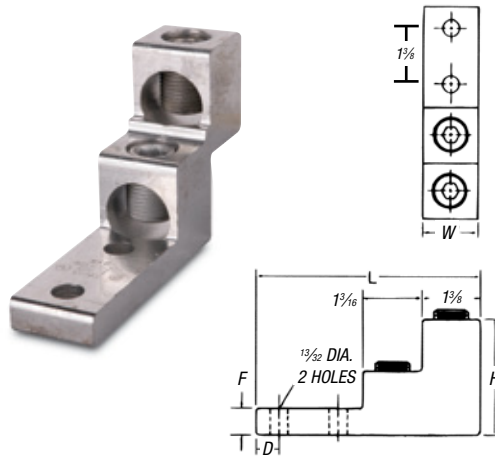
Dual-Rated Mechanical Connectors

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 ²⁹ / ₃₂	1½	3	¾	¾
ASL75-22	750 kcmil	3/0 Str.	4 ²⁹ / ₃₂	1½	3	¾	¾

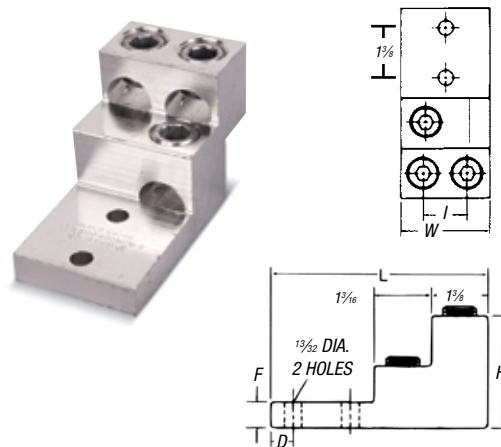
UL 486B
AL9CU



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



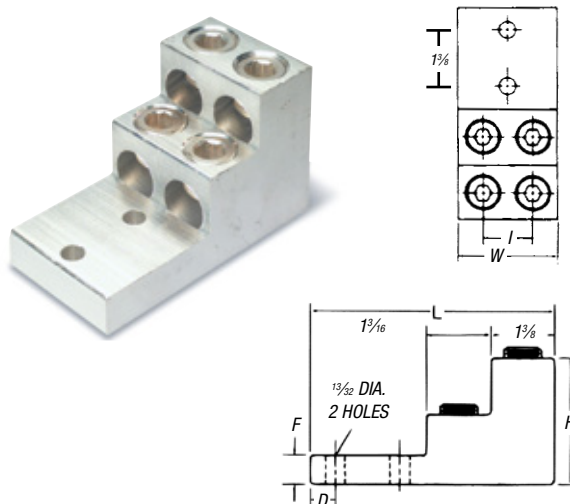
CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)					
	MAX.	MIN.	L	W	H	D	F	I
ASL60-32	600 kcmil	2 Str.	4 ²⁹ / ₃₂	2½	3	¾	¾	1½
ASL75-32	750 kcmil	3/0 Str.	4 ²⁹ / ₃₂	2 ²⁷ / ₂₁	3	¾	¾	1½



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



CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)					
	MAX.	MIN.	L	W	H	D	F	I
ASL60-42	600 kcmil	2 Str.	4 ²⁹ / ₃₂	2½	3	¾	¾	1½
ASL75-42	750 kcmil	3/0 Str.	4 ²⁹ / ₃₂	2 ²⁷ / ₂₁	3	¾	¾	1½



Dual-Rated Mechanical Connectors

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



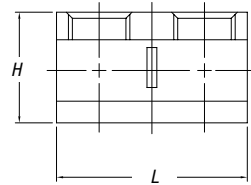
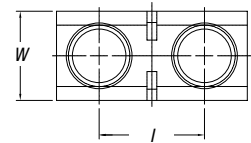
T&B CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)				SCREWS
	MAX.	MIN.	L	W	H	I	
ASR0214*	#2	#14	.95	.45	.56	.53	2
ASR1114*	1/0	#14	1.31	.54	.60	.68	2
ASR2506	250	#6	2.18	.81	1.00	1.12	2
ASR3506	350	#6	2.56	1.12	1.29	1.48	2
ASR7525**	750	250	6.00	1.53	1.95	1.93	4

* Slotted screws

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

UL 486B

AL9CU

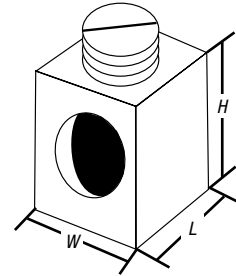


Type BX — ALCÜL™ Rectangular Connectors

- 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	14 CU 12 AL	Square .229 in.	10-32	1 ⁵ / ₃₂	1 ⁵ / ₃₂	9 ¹ / ₁₆
BX1114	14 CU 1/0	Square 12 AL	.229 in.	10-32	5 ¹ / ₈	1 ⁷ / ₃₂	3 ⁹ / ₆₄

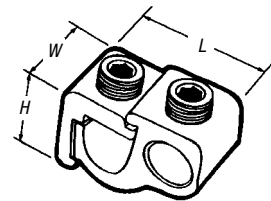
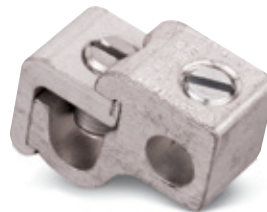


Type GP — Aluminum Dual-Rated Mechanical Parallel Tap Connectors

CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)			
	MAIN	TAP	W	L	H	
GP-2*	2-12 Str.	4-14	5 ¹ / ₈	1 ³ / ₈	7 ¹ / ₈	
GP-0	1/0-2	1/0-14	3 ¹ / ₄	1 ³ / ₄	1	
GP-250-0	250-1/0	1/0-14	1 ¹ / ₁₆	2 ¹ / ₃₂	1 ¹ / ₁₆	
GP-250	250-1/0	250-6	1 ¹ / ₁₆	2 ² / ₃₂	1 ¹ / ₁₆	
GP-350	350-4/0	350-6	1 ¹ / ₄	2 ¹ / ₁₆	1 ¹ / ₁₆	
GP-500	500-350	500-2	1 ³ / ₈	3 ¹ / ₈	1 ³ / ₄	
GP-750	750-500	500-2	1 ¹ / ₂	3 ³ / ₈	2	

* Slotted screw, tap side.

To include insulating cover, add suffix WC.



Dual-Rated Mechanical Connectors

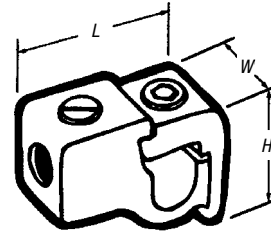
Type GT — Aluminum Dual-Rated Mechanical Parallel Tap Connectors



CAT. NO.	CONDUCTOR RANGE (AL OR CU)		DIMENSIONS (IN.)		
	MAIN	TAP	W	L	H
GT-2*	2–12 Str.	4–14	5/8	1 3/8	7/8
GT-0	1/0–2	1/0–14	3/4	1 3/4	1
GT-250-0	250–1/0	1/0–14	1 1/16	2 9/32	1 1/16
GT-250	250–1/0	250–6	1 1/16	2 9/32	1 1/16
GT-350	350–4/0	350–6	1 1/4	2 9/16	1 1/16
GT-500	500–350	500–2	1 3/8	3 3/8	1 3/4
GT-750	750–500	500–2	1 1/2	3 3/8	2

* Slotted screw, tap side.

To include insulating cover, add suffix WC.

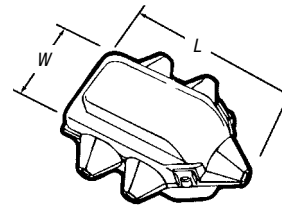
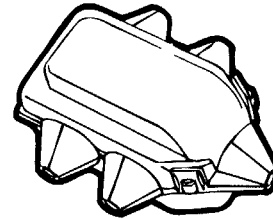


Type TC — Insulating Covers for GP-GT



CAT. NO.	DIMENSIONS (IN.)			USE WITH CONNECTOR
	L	W	H	
TC-2	2 1/8	1 3/4	1 1/16	GP-2, GT-2
TC-10	2 1/2	2 13/32	1 1/4	GP-0, GT-0
TC250350	3 3/8	2 17/32	1 19/32	GP-250, GT-250, GP-350, GP-250-0, GT-250-0, GT-350
TC-500	4 1/4	3 3/8	2 1/16	GP-500, GT-500
TC-750	4 5/8	3 3/8	2 1/2	GP-750, GT-750

Color of all covers is black.



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

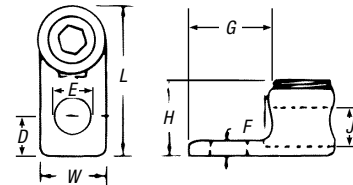
Type L — Single-Conductor, One-Hole Mount

- 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



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	1 ³ / ₆₄	1 ¹ / ₆₄	1 ³ / ₆₄	1 ¹ / ₂	
L70*	—	4 Str.	14 Sol.	1 ¹ / ₈	1 ⁷ / ₃₂	3 ⁵ / ₆₄	3 ¹ / ₃₂	9 ¹ / ₃₂	9 ¹ / ₃₂	9 ¹ / ₃₂	2 ¹ / ₃₂	
L125BB	L125H	1/0 Str.	8 Sol.	1 ¹ / ₂	4 ⁷ / ₆₄	3 ¹ / ₄	3 ¹ / ₃₂	3 ¹ / ₈	2 ⁷ / ₆₄	2 ¹ / ₆₄	2 ¹ / ₃₂	
L250	L250H	250 kcmil	6 Str.	1 ⁶ / ₆₄	1 ⁹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₈	2 ⁹ / ₆₄	5 ¹ / ₈	1 ³ / ₃₂	1 ³ / ₃₂	
L400BB	L400H	500 kcmil	4/0 Str.	3	1 ¹³ / ₃₂	1 ¹³ / ₃₂	9 ¹ / ₃₂	5 ¹ / ₈	7 ¹ / ₈	9 ¹ / ₁₆	1 ¹ / ₈	
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.



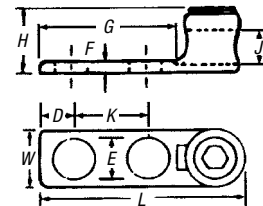
Type L — Single-Conductor, Two-Hole Mount

- For use where large contact area is required to provide more secure mounting
- Cast from high-strength bronze alloy



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 ¹³ / ₁₆	2 ⁵ / ₃₂	1 ³ / ₁₆	3 ¹ / ₁₆	7 ¹ / ₁₆	1	1 ¹¹ / ₃₂	2	2 ⁷ / ₆₄	
L2502	L2502H	250 kcmil	1/0 Str.	3	1 ¹ / ₁₆	1 ¹ / ₃₂	1 ⁵ / ₆₄	7 ¹ / ₁₆	1	1 ³ / ₃₂	1 ¹ / ₈	3 ¹ / ₈	
L4002	L4002H	500 kcmil	4/0 Str.	3 ³ / ₈	1 ¹³ / ₃₂	1 ¹³ / ₃₂	5 ¹ / ₁₆	7 ¹ / ₁₆	1	1 ³ / ₃₂	1 ¹⁹ / ₁₆	5 ⁷ / ₆₄	
L6502	L6502H	1000 kcmil	500 kcmil	4 ⁹ / ₁₆	2	2	3 ¹ / ₈	9 ¹ / ₁₆	1 ¹ / ₂	9 ¹ / ₁₆	2 ¹ / ₄	1 ¹ / ₄	

UL 486A



Type TL — Two-Conductor, Two-Hole Mount

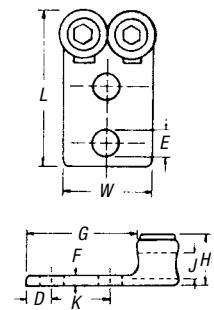
- Conveniently terminates parallel conductors



CAT. NO.		CONDUCTOR RANGE		DIMENSIONS (IN.)									
SOCKET	HEX	MAX.	MIN.	L	W	H	F	D	K	E	G	J	
TL250	TL250H	250 kcmil	1/0 Str.	4 ³ / ₁₆	1 ¹ / ₈	1 ¹ / ₁₆	9 ¹ / ₃₂	1 ³ / ₄	5 ¹ / ₈	9 ¹ / ₁₆	3 ³ / ₁₆	5 ¹ / ₈	
TL400	TL400H	500 kcmil	4/0 Str.	4 ³ / ₄	2 ¹ / ₁₆	1 ⁹ / ₁₆	1 ⁹ / ₃₂	1 ³ / ₄	1 ¹ / ₁₆	9 ¹ / ₁₆	3	7 ¹ / ₈	
TL650	TL650H	1,000 kcmil	500 kcmil	5 ⁹ / ₁₆	3 ¹ / ₄	2 ¹ / ₁₆	9 ¹ / ₁₆	1 ³ / ₄	5 ¹ / ₈	9 ¹ / ₁₆	3 ³ / ₈	1 ¹ / ₄	

Four hole NEMA tang on TL650.

UL 486A.



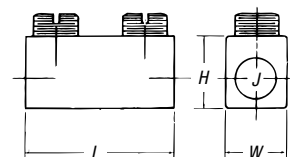
Type S — Copper End-to-End Splice Connector

- Cast of high-strength copper alloy
- Plated steel socket head set screws



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 ¹ / ₁₆	
S225BB*	4/0 Str.	1 Str.	2 ¹ / ₁₆	2 ⁷ / ₃₂	3 ¹ / ₃₂	9 ¹ / ₁₆	1 ¹ / ₁₆	
S400BB	500 kcmil	4/0 Str.	2 ¹ / ₈	1 ³ / ₁₆	1 ¹ / ₁₆	7 ¹ / ₈	1 ¹ / ₈	

* Not UL Listed.



Copper Mechanical Connectors

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

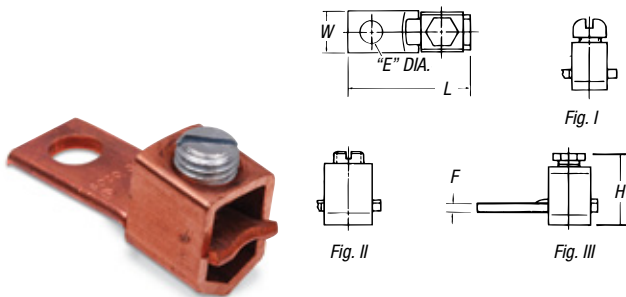


CAT. NO.	DESCRIPTION	WIRE RANGE	STD. PKG. QTY.
UFSK148DB	UF Direct-Burial Splice Kit	#14-#8 AWG	10
DBSK82	Direct-Burial Splice Kit (non-UF)	#8-#2 AWG	10



Type STC — Copper Single-Conductor, One-Hole Mount Lug with Straight Tang

- Uniquely designed pressure bar and notched v-bottom collar provide vise-like grip between conductor and terminal
- Made of electrolytic seamless copper with zinc-plated steel screws
- UL486A tested for copper conductor

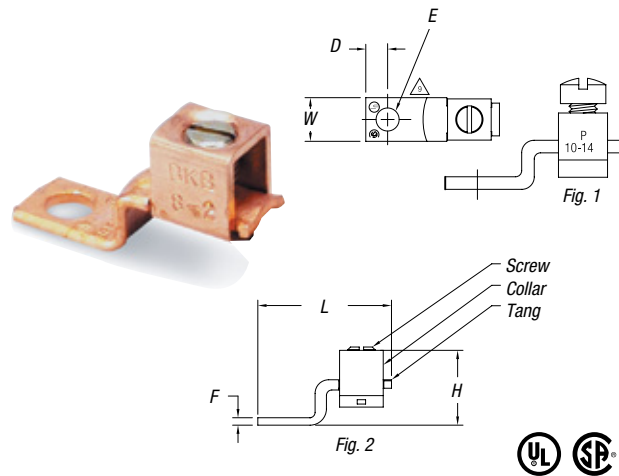


CAT. NO.	FIG. NO.	CONDUCTOR RANGE (CU)		DIMENSIONS (IN.)						
		MAX.	MIN.	L	W	H	F	E	D	
STC1014*	1	#10	#14	1	3/16	1/2	3/64	3/32	3/16	
STC0614	2	#6 Str.	#14	1 1/64	3/8	1 1/16	3/64	13/64	7/32	
STC0414	2	#4 Str.	#14	1 1/4	1/2	2 7/32	3/32	17/64	1/4	
STC0208	3	#2 Str.	#8 Str.	1 15/32	1/2	3 3/32	3/32	17/64	1/4	
STC1102	3	1/0 Str.	#2 Str.	1 15/16	5/8	1 1/4	1/8	17/64	7/16	
STC3104	3	3/0 Str.	#4 Str.	2 1/4	3/4	1 15/16	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	1/0 Str.	3 1/4	1	1 3/8	3/16	13/32	5/8	
STC5011	3	500	1/0 Str.	3 3/8	1 1/2	1 13/16	3/16	13/32	15/16	
STC9960	3	1000	600	5	2	2-3/8	1/4	17/32	1 1/8	

* Not CSA Certified.

Mechanical lug for use with copper conductors.

Type BTC — Copper Single-Conductor One-Hole Mount Lug with Offset Tang



CAT. NO.	FIG. NO.	CONDUCTOR RANGE (CU)		DIMENSIONS (IN.)						
		MAX.	MIN.	L	W	H	F	E	D	
BTC1014*	1	#10	#14	1	3/16	43/64	3/64	3/32	3/16	
BTC0614	2	#6 Str.	#14	1 1/32	3/8	2 3/32	3/64	13/64	7/32	
BTC0208	2	#2 Str.	#8 Str.	1 15/32	1/2	2 7/32	3/32	17/64	1/4	
BTC1102	2	1/0 Str.	#2 Str.	1 25/32	5/8	1 13/32	1/8	17/64	7/16	
BTC3104	2	3/0 Str.	#4 Str.	2 3/4	3/4	1 15/16	1/8	13/32	7/16	
BTC4102	2	4/0 Str.	#2 Str.	2 3/8	1	1 61/64	1/8	13/32	1/2	
BTC3511	2	350	1/0 Str.	3 1/4	1	1 2 1/2	3/16	13/32	5/8	
BTC5011	2	500	1/0 Str.	4 1/4	1 1/2	2 21/32	3/16	13/32	15/16	
BTC9960	2	1000	600	4 3/4	2	3 3/8	1/4	17/32	1 1/8	

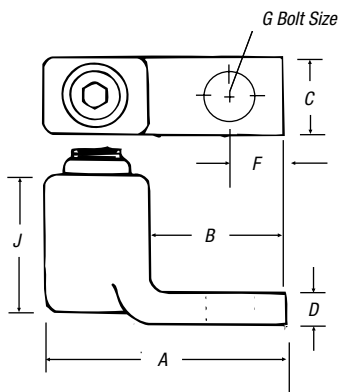
* Not CSA Certified.

Copper Mechanical Connectors

Only nine lug sizes fit cables from #14 to 1000 kcmil.

LOCKTITE® 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
- For use with code copper conductor (600V)

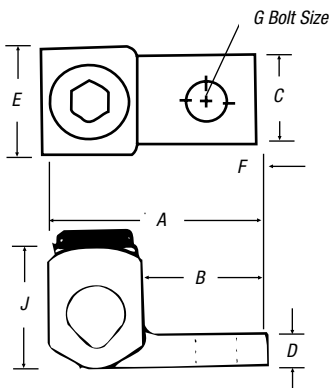


CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)						
		G	A	B	C	D	J	F
31003 [†]	14 to 8	1/4	1 1/8	9/16	1/2	1/8	1 1/32	9/32
31005-TB [†]	8 to 4	1/4	1 1/8	5/8	1/2	1/8	1 1/32	9/32
31007	4 to 1	1/4	1 3/8	13/16	5/8	7/32	1	1 1/32
31009	1 to 2/0	3/8	1 15/16	1	13/16	1/4	1 3/16	7/16
31011	2/0 to 4/0	3/8	2 3/8	1 1/4	1	9/32	1 13/32	17/32
31013	4/0 to 300	1/2	2 3/4	1 1/2	1 1/16	5/16	1 17/32	5/8
31015	300 to 500	1/2	3 1/16	1 11/16	1 1/8	11/32	1 13/16	3/4
31017	500 to 750	1/2	3 29/32	2 3/16	1 5/8	13/32	2 1/8	1
31019	750 to 1000	5/8	4 5/16	2 15/32	1 7/8	15/32	2 11/32	1 1/16

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

LOCKTITE® One-Hole Flag-Type Lugs

- For use with code copper conductor (600V)



CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)							
		G	A	B	C	D	J	F	E
31005-AL [†]	8 to 4	1/4	1 1/8	5/8	1/2	1/8	1 1/32	9/32	1/2

[†]With Filister Head Screw.

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

For torque requirements, see **page F-188**.

Copper Mechanical Connectors

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

LOCKTITE® One-Hole 90° Upright Lugs



- For use with code copper conductor (600V)



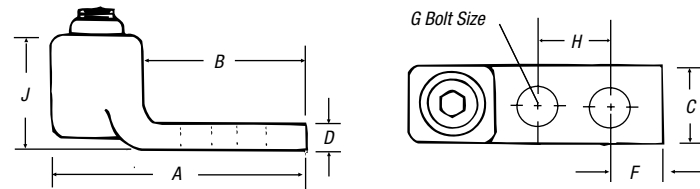
CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)						
		G	A	B	C	D	J	F
31005-UAL ¹	8 to 4	¼	1½	¾	½	⅙	½	⅝
31007-UAL	4 to 1	¼	1 ² / ₃₂	1 ³ / ₁₆	⅝	7/32	1 ³ / ₁₆	1 ¹ / ₃₂
31009-UAL	1 to 2/0	¾	2 ⁷ / ₃₂	1	1 ³ / ₁₆	¼	1 ⁵ / ₁₆	7/16
31011-UAL	2/0 to 4/0	¾	2½	1¼	1	9/32	1½	1 ⁷ / ₃₂

¹With Filister Head Screw. All others, hex head screws.

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

LOCKTITE® Two-Hole Lugs

- Easy installation
- High conductivity
- Wide cable range
- Long tongue adapted for two bolts
- For use with code copper conductor (600V)



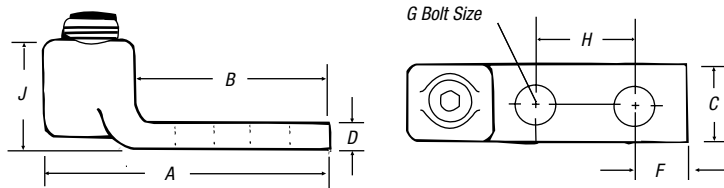
CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)							
		G	A	B	C	D	J	F	H
32003 ¹	14 to 8	¼	1 ¹¹ / ₁₆	1¼	½	⅙	1 ⁵ / ₃₂	9/32	⅝
32005 ¹	8 to 4	¼	1¾	1¼	½	⅙	1 ⁷ / ₃₂	9/32	⅝
32007	4 to 1	¼	2¼	1 ⁷ / ₁₆	⅝	7/32	7/8	9/32	¾
32009	1 to 2/0	¾	2½	1 ¹⁵ / ₁₆	1 ³ / ₁₆	¼	1 ³ / ₃₂	7/16	1
32011	2/0 to 4/0	¾	3½	2	1	9/32	1 ⁹ / ₁₆	7/16	1
32013	4/0 to 300	¾	3¾	2½	1 ¹ / ₁₆	7/16	1 ¹ / ₁₆	7/16	1
32015	300 to 500	¾	3½	2½	1 ³ / ₈	1 ¹ / ₃₂	1 ²⁷ / ₃₂	7/16	1
32017	500 to 750	½	4 ¹⁹ / ₃₂	3	1¾	1 ³ / ₃₂	2½	9/16	1½
32019	750 to 1,000	½	4 ²⁷ / ₃₂	3	1 ⁷ / ₈	1 ⁵ / ₃₂	2 ¹ / ₃₂	9/16	1½

¹With Filister Head Screw. All others, hex head screws.

For torque requirements, see page F-188.

LOCKTITE® Two-Hole NEMA-Drilled Lugs

- Furnished with bolt holes and spacings to fit equipment with NEMA-type connector mounting pads
- For use with code copper conductor (600V)



CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)							
		G	A	B	C	D	J	F	H
32207	4 to 1	¾	2 ¹³ / ₁₆	2	¾	7/32	7/8	7/16	1
32209	1 to 2/0	½	3 ¹⁵ / ₁₆	3	1	¼	1 ¹ / ₁₆	9/16	1¼
32211	2/0 to 4/0	½	4½	3	1	9/32	1 ⁹ / ₃₂	9/16	1¼
32213	4/0 to 300	½	4 ⁷ / ₁₆	3	1 ¹ / ₁₆	7/16	1 ¹⁹ / ₃₂	9/16	1¾
32215	300 to 500	½	4 ⁷ / ₈	3½	1 ³ / ₈	1 ¹ / ₃₂	1 ¹⁹ / ₁₆	9/16	1¾
32217	500 to 750	½	5 ³ / ₃₂	3½	1¾	1 ³ / ₃₂	2½	9/16	1¾
32219	750 to 1,000	½	5¼	3½	3	1 ⁵ / ₃₂	2½	9/16	1¾

For torque requirements, see page F-188.

Copper Mechanical Connectors

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

LOCKTITE® Double- and Triple-Barrel NEMA-Drilled Lugs for 600V Applications

- Screw tightening
- Serrated saddle
- Built-in lockwasher
- For use with code copper conductor (600V)

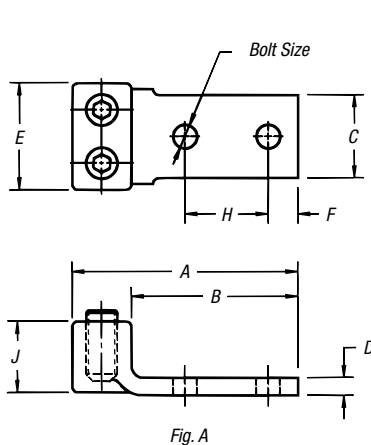


Fig. A

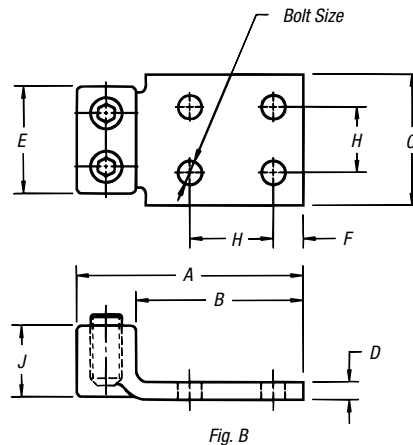


Fig. B

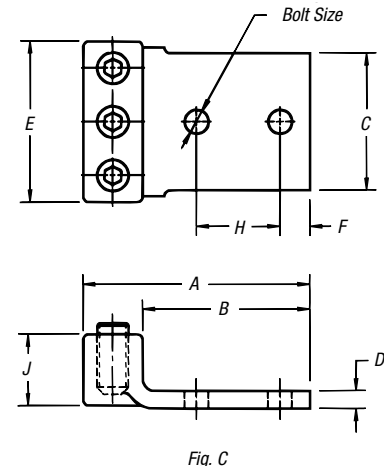


Fig. C

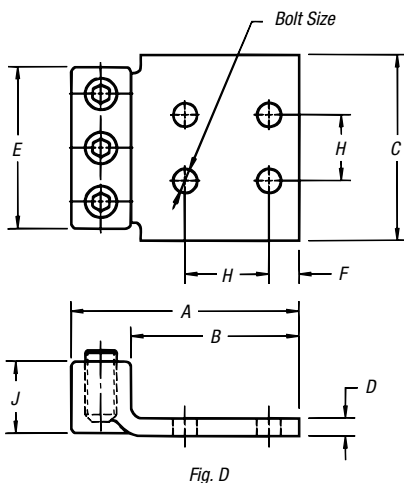


Fig. D



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

¹With Filister Head Screw.

For torque requirements, see page F-188.

Copper Mechanical Connectors

Join two cables end-to-end.

LOCKTITE® Two-Way Connectors

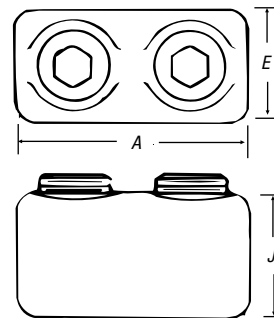
- Cables held by saddle and tightened by screws
- Built-in lockwashers
- For use with code copper conductor (600V)



CAT. NO.	CABLE SIZE	DIMENSIONS (IN.)		
		A	E	J
32503 ¹	14 Sol. to 8 Sol.	1½	¾	15/32
32505 ¹	8 Sol. to 4 Str.	1¾	½	17/32
32507	4 Sol. to 1 Str.	1¾	5/8	27/32
32509	1 Sol. to 2/0	1¾	¾	1½
32511	2/0 to 4/0	2¼	19/16	1¼
32513	4/0 to 300	2¼	1½	1½
32515	300 to 500	2¾	1¼	129/32
32517	500 to 750	3½	1½	2¼
32519	750 to 1,000	3¾	11/16	2¾

¹With Filister Head Screw.

For torque requirements, see [page F-188](#).



Designed for easy, one-person installation.

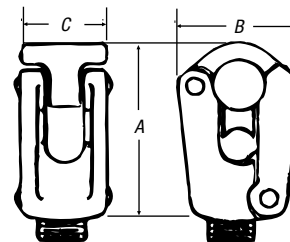
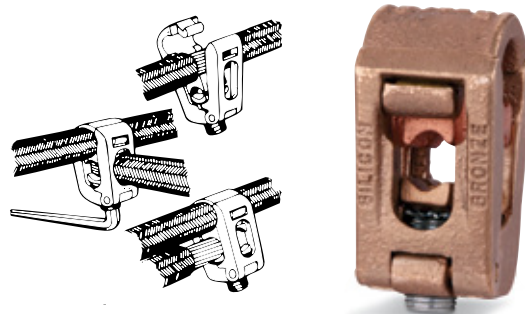
LOCKTITE® Tee-Parallel Taps

- Tap hangs on main while branch is inserted
- Simply tighten screw to lock in place
- For use with code copper conductor (600V)



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	3¼	1¾	1½
35015	500 to 750	2 to 3/0	2¾	1¾	1¼
35017	500 to 750	4/0 to 500	3¾	2¼	1¾
35019	500 to 750	500 to 750	4	2¼	2¼

For torque requirements, see [page F-188](#).



Copper Mechanical Connectors

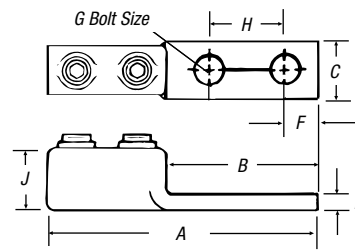
For stranded, solid, flexible and other types of cables.

LOCKTITE® Tandem-Type Two-Hole NEMA-Drilled Lugs

- Each lug takes a range of wire sizes
- Bolt holes and spacings listed are standard
- For use with code copper conductor (600V)



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	7/32	2 9/32	7/16	1
32009TL	1 to 2/0	1/2	4 15/16	3	1	1/4	1 3/32	9/16	1 3/4
32011TL	2/0 to 4/0	1/2	5 5/8	3	1	9/32	1 5/16	9/16	1 3/4
32013TL	4/0 to 300	1/2	5 5/8	3	1 1/16	5/16	1 9/16	9/16	1 3/4
32015TL	300 to 500	1/2	6 11/32	3 1/2	1 3/8	1 1/32	—	5/8	1 3/4
32017TL	500 to 750	1/2	6 23/32	3 1/2	1 3/4	1 3/32	2 1/8	5/8	1 3/4



For easy installation in hard-to-reach places.

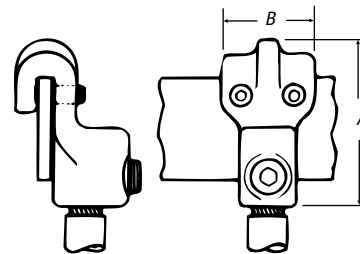
LOCKTITE® Ground Bus Taps for 1/4" Copper Bus Bar

- 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
- For use with code copper conductor (600V)



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

For torque requirements, see page F-188.



LOCKTITE® Pigtail Connectors

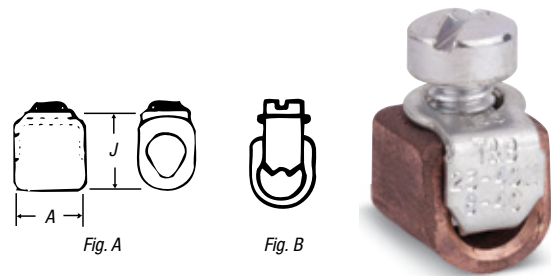
- For use with code copper conductor (600V)



CAT. NO.	SIZE	CABLE FIG.	DIMENSIONS (IN.)	
			A	J
31305	10 to 8	A	1/2	1 1/32
31307	8 to 6	A	3/4	2 7/32
31309	6 to 4	B	7/8	1 1/32
31311	4 to 2	B	1 1/16	1 1/4
31313	1 to 2/0	B	1 3/16	1 1/2
31315	2/0 to 4/0	B	1 1/16	1 29/32

For torque requirements, see page F-188.

Note: To order with hex head screws (available on all except 10–8 code size), add prefix H to catalog number.



Copper Mechanical Conductors

Each connector accommodates a wide range of conductor sizes.

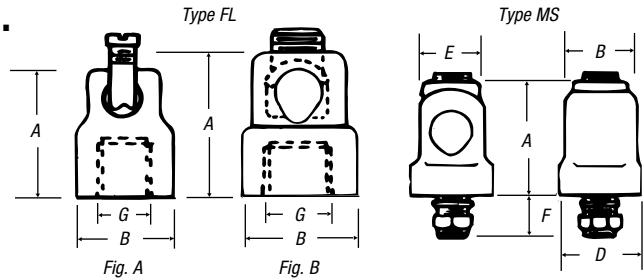
LOCKTITE® Stud Connectors

- Fast, simple installation
- Convenient pigtail is easy to tape
- To order with hex head screws, add prefix H to catalog number
- Standard tapping shown in diagrams
- Other tapping to meet specific requirements available on request
- For use with code copper conductor (600V)



Type MS

Type FL



Male — Type MS

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

Female — Type FL

CAT. NO.	CABLE SIZE	FIG.	DIMENSIONS (IN.)		
			G	A	B
31262 [†]	8 to 4	A	$\frac{3}{8}$ -16	1 $\frac{1}{16}$	$\frac{5}{8}$
31263	4 to 1	B	$\frac{3}{8}$ -16	1 $\frac{15}{32}$	$\frac{3}{4}$
31265	4 to 1	B	$\frac{1}{2}$ -13	1 $\frac{15}{32}$	$\frac{3}{4}$
31267	2/0 to 4/0	B	$\frac{1}{2}$ -13	2 $\frac{3}{16}$	1 $\frac{3}{16}$

[†]With Filister Head Screw.

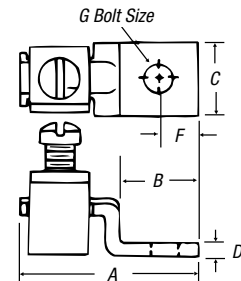
Designed to grip cable firmly between its strong body and serrated copper tongue.

LOCKTITE® 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
- For use with code copper conductor(600V)

T&B Recommended Tightening Torque for Copper Connections

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 $\frac{3}{16}$	$\frac{1}{2}$	$\frac{3}{8}$.064	$\frac{7}{32}$
35401	8 to 2	$\frac{1}{4}$	1 $\frac{1}{16}$	$\frac{5}{8}$	$\frac{1}{2}$.081	$\frac{1}{4}$
35501 ^{**}	4 to 2/0	$\frac{1}{4}$	1 $\frac{13}{16}$	1 $\frac{3}{16}$	$\frac{3}{4}$.101	$\frac{3}{8}$
35601 ^{**}	1/0 to 4/0	$\frac{3}{8}$	2 $\frac{1}{32}$	1 $\frac{3}{32}$	1	.128	$\frac{1}{2}$

* Aluminum body.

[†]Hex head bolt.

Add suffix G to above Cat. Nos. for lug connector with green screw for grounding identification.

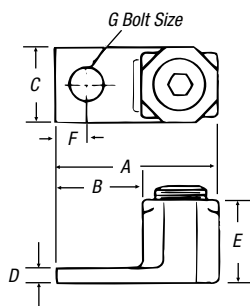
For torque requirements, see table at left.

Copper Mechanical Conductors

High pull-out strength and low resistance.

LOCKTITE® 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
- For use with code copper conductor (600V)



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

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

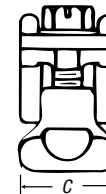
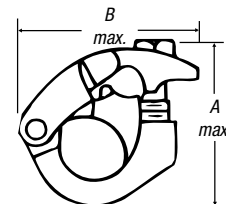
UL File No. E-9609.

*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.	SCREW DRIVER 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	—

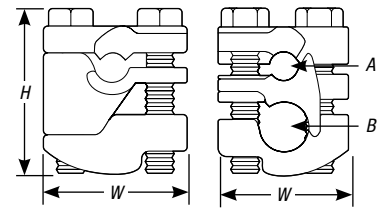
CAT. NO.	CABLE SIZE		DIMENSIONS (IN.)		
	MAIN	BRANCH	A	B	C
35107	8 to 4	14 to 8	1 ¹ / ₁₆	7 ¹ / ₈	5 ¹ / ₈
35109	4 to 1/0	14 to 4	1 ¹ / ₄	1	1 ¹ / ₁₆
35111	1/0 to 4/0	14 to 4	1 ³ / ₄	1 ³ / ₈	2 ⁷ / ₃₂
35112	1/0 to 4/0	8 to 1	1 ¹ / ₈	1 ³ / ₁₆	2 ⁷ / ₃₂
35115	300 to 500	14 to 4	1 ¹ / ₂	1 ¹⁵ / ₁₆	1

Clamp Connectors

Connectors for a variety of applications.

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

- Copper alloy castings provide high strength for heavy-duty applications
- Silicon-bronze bolts built to handle frequent moves, adds and changes



CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER				DIMENSIONS (IN.)			BOLT SIZE (IN.)
	MAIN		TAP		A		B		L	H	W	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.				
XT12			#2 str.	#6 sol.	.528	.328	.292	.162	1½	1⅜	1½	⅝
XT13	4/0 str.	#1 str.	4/0 str.	#1 str.	.528	.328	.528	.328	1⅞	2	1⅞	¾
XT21			#2 str.	#6 sol.	.813	.574	.292	.162	2⅛	2⅜	1⅞	¾
XT22	500	250	4/0 str.	#1 str.	.813	.574	.528	.328	2⅞	2⅜	2⅞	¾
XT23*			500	250	.813	.574	.813	.574	2⅞	2⅜	2⅜	¾
XT33*	1000	500	500	250	1.152	.811	.813	.574	2¼	3	2⅜	¾
XT34*			1000	500	1.152	.811	1.152	.811	2⅛	3⅞	2⅜	⅞

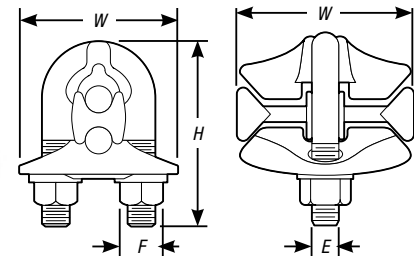
* 4-bolt clamps

Note: For tin-plating option, add "-P" suffix to the catalog number.

Deadend loop connections.

DLC™ Single U-Bolt Aluminum Fittings

- Top and bottom pressure pads cast of high-strength, heat-treated, aluminum-silicon alloy
- Hardware made of galvanized steel provides added strength and durability



DLC2106

CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				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	1⅞	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	2⅞	2⅞	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	2⅞	3⅞	4	¾	½

* RUS Accepted.

AR — with Armor Rod.

Note: For oxide-inhibitor option with aluminum-to-copper applications, add "-9" suffix to the catalog number.