

Parallel groove connectors

PAA one- and two-bolt aluminum parallel groove clamps

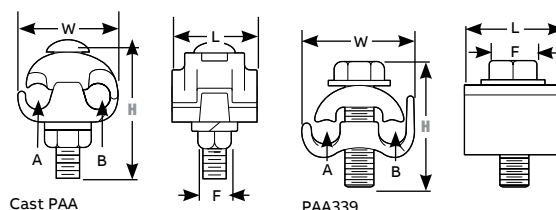


High-strength, heat-treated cast aluminum alloy provides secure connections

- All hardware items come standard
- Use on aluminum, ACSR and copper conductors
- Prevents oxidation on copper-to-aluminum connections

Standard cat. no.	Prefilled cat. no.	Conductor range (AWG or kcmil)					Conductor diameter					Dimensions (in.)			Bolt Size
		A Main		B Tap			Main		Tap						
		ACSR	Al/Cu	ACSR	Al/Cu	Max.	Min.	Max.	Min.	F	L	H	W		
–	PAA29	#2–#6	#2 str.–#6 sol.	#2–#6	#2 str.–#6 sol.	0.316	0.162	0.316	0.162	9⁄16	1 ¹³ ⁄16	1 ¹³ ⁄32	1 ³ ⁄8	5⁄16	
–	PAA339	1/0–#6	1/0 str.–#6 sol.	1/0–#6	1/0 str.–#6 sol.	0.398	0.162	0.398	0.162	9⁄16	1 ⁹ ⁄16	1 ¹ ⁄4	1 ¹ ⁄2	3⁄8	
PAA4	PAA49	1/0–#6	1/0 str.–#6 sol.	1/0–#6	1/0 str.–#6 sol.	0.398	0.162	0.398	0.162	9⁄16	2 ⁷ ⁄32	1 ³ ⁄16	1 ¹ ⁄2	3⁄8	
PAA5	PAA59	1/0–#8	1/0 str.–#8 sol.	1/0–#8	1/0 str.–#8 sol.	0.398	0.128	0.398	0.128	9⁄16	2 ⁷ ⁄32	1 ¹¹ ⁄32	1 ¹ ⁄2	3⁄8	
PAA6	PAA69	1/0–#8	2/0 str.–#8 sol.	1/0–#8	2/0 str.–#8 sol.	0.414	0.128	0.414	0.128	9⁄16	2 ⁷ ⁄32	1 ³ ⁄8	1 ⁵ ⁄8	3⁄8	
PAA10*	PAA109	336.4–1/0, 1/0–#6 AR	400–1/0 str., 1/0–#6 AR	1/0–#8	1/0 str.–#8 sol.	0.741	0.368	0.398	0.128	9⁄16	2 ¹⁵ ⁄32	2	1 ³ ⁄4	3⁄8	
PAA12	PAA129	4/0–#2	4/0 str.–#2 sol.	4/0–#2	4/0 str.–#2 sol.	0.563	0.258	0.563	0.258	3⁄4	2 ³ ⁄4	2	2	1⁄2	
PAA400†	PAA4009†	336.4–1/0, 1/0–#6 AR	400–1/0 str., 1/0–#6 AR	336.4–1/0	400–1/0 str.	0.741	0.368	0.741	0.368	3⁄4	3 ³ ⁄4	3 ³ ⁄4	2 ¹ ⁄2	1⁄2	

Diagrams



* RUS listed. † PAA400 and PAA4009 are two-bolt clamps. AR = Over armor rod.

NOTE: For hex-head bolt option, add "-3" suffix to the catalogue number.

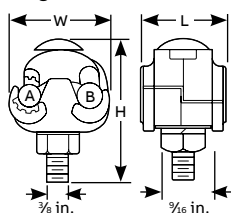
PAC aluminum parallel groove clamps with copper liner



Our most corrosion-resistant groove clamp ever

- Effectively seals out moisture and resists corrosion
- Reduces the possibility of galvanic corrosion

Standard cat. no.	Prefilled cat. no.	Conductor range (AWG or kcmil)				Conductor diameter		Dimensions (in.)		
		A Main		B Tap						
		ACSR	Al	Copper		Main	Tap	H	W	L
PAC345	PAC3459	1/0–#8	1/0 str.–#8 sol.	1/0 str.–#8 sol.		0.398–0.128	0.373–0.128	2 7/32	1 17/32	1 1/4
PAC7*	PAC79	336.4–1/0, 1/0–#6 AR	400–2/0 str., 1/0–#6 AR	1/0 str.–#8 sol.		0.741–0.398	0.373–0.128	2 15/32	1 5/8	1 7/8



* RUS Listed.

NOTE: For hex-head bolt option, add "-3" suffix to the catalogue number.

Parallel groove connectors

PAE parallel groove clamps, extruded type



Galvanized steel hardware provides high strength for heavy-duty applications

- Use the tools you already have
- Standard for aluminum-to-copper connections
- Prevents oxidation on copper-to-aluminum connections

Note: For aluminum-hardware option, add "-7" suffix to the catalogue number. For tin-plating option, add "-P" suffix to the catalogue number. For wax-dip option that provides oxide protection for aluminum-to-aluminum connections, add "-6" suffix to the catalogue number.

Cat. No.	Conductor range (AWG or kcmil)		Conductor diameter (in.)					Dimensions (in.)								Galvanized steel bolt thd. size	Aluminum bolt thd. size
			Main		Tap												
	Main	Tap	Max.	Min.	Max.	Min.	Fig.	H	W	L	F	B	A				
PAE-335-79	1/0 str.-#6 sol.	1/0 str.-#6 sol.	0.398	0.162	0.398	0.162	1	1 ¹ / ₁₆	1 ¹ / ₂	1 ¹ / ₄	⁹ / ₁₆	–	–	³ / ₈ -16 UNC	³ / ₈ -16 UNC		
PAE-2121-9*	2/0 ACSR-#6 sol., #6 AR	2/0 ACSR-#6 sol., #6 AR	0.447	0.162	0.447	0.162	1	2	1 ⁵ / ₈	1 ³ / ₈	⁹ / ₁₆	⁷ / ₈	–	³ / ₈ -16 UNC	³ / ₈ -16 UNC		
PAE-2121X-79	2/0 ACSR-#6 sol., #6 AR	2/0 ACSR-#6 sol., #6 AR	0.447	0.162	0.447	0.162	1	2	1 ⁵ / ₈	1 ³ / ₈	⁹ / ₁₆	⁷ / ₈	–	–	³ / ₈ -16 UNC		
PAE-4141-9*	4/0 ACSR-#2 sol., #4-#6 AR	4/0 ACSR-#2 sol., #4-#6 AR	0.563	0.258	0.563	0.258	1	2	2	1 ³ / ₈	⁹ / ₁₆	⁷ / ₈	–	³ / ₈ -16 UNC	³ / ₈ -16 UNC		
PAE-3921-9-2	397.5 ACSR-3/0 str., 2/0-#6 AR	2/0 str.-#6 sol., #6 AR	0.743	0.464	0.414	0.162	2	2 ⁹ / ₁₆	2 ¹ / ₄	1 ⁵ / ₈	³ / ₄	1 ¹ / ₈	–	¹ / ₂ -13 UNC	¹ / ₂ -13 UNC		
PAE-9941-9	1000-397.5 ACSR, 336.4-2/0 AR	4/0 ACSR-#2 sol., #4-#6 AR	1.152	0.743	0.563	0.258	3	2 ¹³ / ₁₆	2 ⁵⁹ / ₆₄	2 ¹ / ₄	³ / ₄	–	–	¹ / ₂ -13 UNC	¹ / ₂ -13 UNC		
PAE-3931-9-2	397.5 ACSR-3/0 str., 2/0-#6 AR	3/0 ACSR-2 str., #6 AR	0.743	0.464	0.502	0.292	4	2 ⁹ / ₁₆	2 ⁹ / ₁₆	3 ³ / ₈	³ / ₄	–	1 ³ / ₄	¹ / ₂ -13 UNC	¹ / ₂ -13 UNC		
PAE-3939-9-2	397.5 ACSR-3/0 str., 2/0-#6 AR	397.5 ACSR-3/0 str., 2/0-#6 AR	0.743	0.464	0.743	0.464	5	2 ⁹ / ₁₆	2 ⁹ / ₁₆	3 ³ / ₈	³ / ₄	–	1 ⁷ / ₈	¹ / ₂ -13 UNC	⁵ / ₈ -11 UNC		
PAE-9921-9	1000-397.5 ACSR, 336.4-2/0 AR	2/0 str.-#6 sol., #6 AR	1.152	0.743	0.414	0.162	3	2 ¹³ / ₁₆	2 ³ / ₁₆	2 ¹ / ₄	³ / ₄	–	–	¹ / ₂ -13 UNC	⁵ / ₈ -11 UNC		
PAE-9939-9	1000-397.5 ACSR, 336.4-2/0 AR	397.5 ACSR-3/0 str., 2/0-#6 AR	1.152	0.743	0.743	0.464	4	2 ¹³ / ₁₆	3 ⁷ / ₆₄	3 ¹ / ₂	³ / ₄	–	1 ¹ / ₂	¹ / ₂ -13 UNC	⁵ / ₈ -11 UNC		
PAE-9999-9	1000-397.5 ACSR, 336.4-2/0 AR	1000-397.5 ACSR, 336.4-2/0 AR	1.152	0.743	1.152	0.743	6	2 ¹³ / ₁₆	3 ¹ / ₂	6	³ / ₄	–	2	¹ / ₂ -13 UNC	⁵ / ₈ -11 UNC		

Diagrams

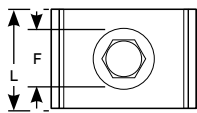


Fig. 1

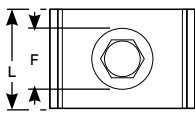


Fig. 2

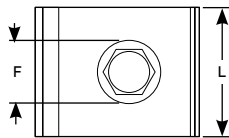


Fig. 3

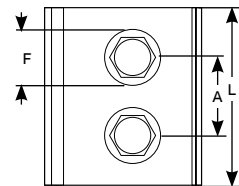


Fig. 4

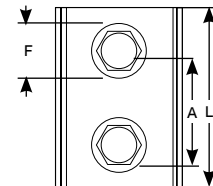


Fig. 5

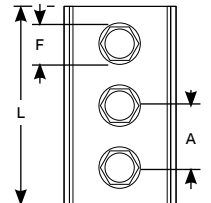


Fig. 6

* RUS Listed.
AR = Over armor rod.

Parallel groove connectors

K series jumper clamps



These jumper clamps are sized right for #8 solid copper to 1/0 ACSR or 2/0 copper

- Provides high strength and durability
- Ensures a super-secure fitting
- No need to remove the bolt for installation
- Choose the model that works best with your wiring

Cat. no.	Plated groove			Copper groove
	Max.	Min.	Max.	Min.
K1	1/0 ACSR, #2 SCG amerductor, 7/16 in. galv. Steel strand	#6 ACSR, #12 SCG amerductor, #8 solid iron	2/0 str. copper, 7/16 in. Copperweld*, 2A Copperweld*	#8 solid copper, #9-12D Copperweld*

*Trademark of Copperweld.
NOTE: Plated with plating removed from one groove. For use with aluminum, amerductor or galvanized steel strand to copper or copper-bonded steel wires.

Cat. No.	Both Grooves Plated		
	Max.	Min.	Min.
K2	1/0 ACSR, #2 SCG amerductor, 7/16 in. galvanized steel strand	#6 ACSR, #12 SCG amerductor, #8 solid iron	

NOTE: Clamp is plated. For use with amerductor, aluminum or galvanized steel stranding.

Cat. No.	Both Grooves Unplated		
	Max.	Min.	Min.
K3	2/0 str. copper, 7/16 in. Copperweld*, 2A Copperweld*	-	#8 solid copper, 9-12D Copperweld*

*Trademark of Copperweld.
NOTE: Clamp is not plated. For copper-to-copper connections.

