

Aluminum H-tap connectors and covers

WR™ wide-range aluminum tap connectors (continued)

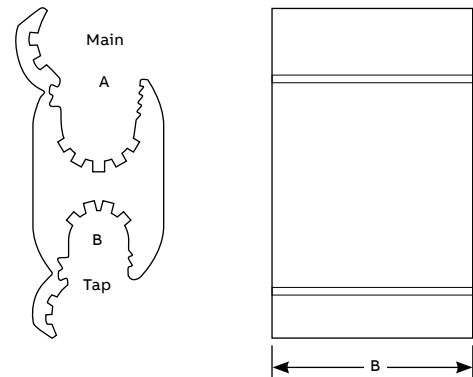


WR Connector

WR supplemental D connectors

Cat. no.	Conductor range (AWG or kcmil)														Connector length (in.)
	Standard conductor*						Compact conductor				Diameter (in.)				
	Main			Tap			Main		Tap		Main		Tap		
ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.		
WR319	3/0	3/0	-	#2, #3, #4	#1, #2, #3, #4	#1, #2	3/0	4/0	#1, #2, #3, #4	#1, #2	0.502	0.461	0.332	0.299	1 ⁵ / ₈
WR339	3/0	3/0	-	2/0, 1/0, #1	2/0, 1/0	-	3/0	4/0	2/0, 1/0	3/0, 2/0, 1/0	0.502	0.461	0.447	0.336	2 ¹ / ₈
WR359	4/0, 3/0	4/0, 3/0	-	#4, #6	#3, #4, #6	#2, #3, #4, #6	266, 4/0, 3/0	266, 250, 4/0	1/0, #1, #2	1/0, #1, #2	0.563	0.461	0.266	0.162	1 ⁷ / ₈
WR369	4/0, 3/0	4/0, 3/0	-	#1, #2, #3, #4	1/0, #1, #2, #3	#1	266, 4/0, 3/0	266, 250, 4/0	1/0, #1, #2	1/0, #1, #2	0.563	0.461	0.374	0.266	1 ⁷ / ₈
WR369 [†]	4/0, 3/0, 2/0	4/0, 3/0	-	1/0, #1, #2, #3, #4	1/0, #1, #2, #3, #4	1/0, #1, #2	266, 4/0, 3/0	266, 250, 4/0, 3/0	1/0, #1, #2, #3, #4	1/0, #1, #2	0.563	0.423	0.373	0.232	1 ⁷ / ₈
WR389	4/0, 3/0	4/0, 3/0	-	2/0, 1/0	3/0, 2/0	-	266, 4/0, 3/0	266, 250, 4/0	3/0, 2/0	3/0, 2/0	0.563	0.461	0.470	0.376	2 ³ / ₁₆
WR389 [†]	4/0, 3/0, 2/0	4/0, 3/0	-	2/0, 1/0, #1	3/0, 2/0, 1/0	-	266, 4/0, 3/0	266, 250, 4/0	3/0, 2/0, 1/0	3/0, 2/0, 1/0	0.563	0.423	0.470	0.336	2 ³ / ₁₆

Diagrams



* Will accept conductors of the same wire sizes with a 3% reduction of diameter (compressed). [†] Conductor range possible only when crimped with a hydraulic tool. Note: WR359 and WR369 use four indents with a mechanical tool; WR319 uses five indents with a mechanical tool; W339 and WR389 use six indents with a mechanical tool. WR369 can also use five indents with a mechanical tool. All die connectors use two indents with a hydraulic tool.

Aluminum H-tap connectors and covers

WR™ wide-range aluminum tap connectors (continued)



WR715

WR N die tap connectors

Cat. no.	Conductor range (AWG or kcmil)														Connector length (in.)
	Standard conductor*					Compact conductor				Diameter (in.)					
	Main		Tap			Main		Tap		Main		Tap			
ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.			
WR715	397 ¹⁸ / ₁ , 336, 266	400, 397, 350, 336, 300, 266, 250	2/0, 1/0, #1, #2, #3, #4, #6	2/0, 1/0, #1, #2, #3, #4, #6	3/0, 2/0, 1/0, #1, #2, #3, #4, #6	477, 397, 336	500, 477, 397, 350	2/0, 1/0, #1, #2, #3, #4, #6	3/0, 2/0, 1/0, #1, #2, #3, #4, #6	0.753	0.502	0.447	0.162	2	
WR775	397 ¹⁸ / ₁ , 336, 266, 4/0	400, 397, 350, 336, 300, 266, 250, 4/0	397 ¹⁸ / ₁ , 336, 266, 4/0	400, 397, 350, 336, 300, 266, 250, 4/0	—	477, 397, 336, 266	500, 477, 397, 350, 336, 300, 266, 250	477, 397, 336, 266	500, 477, 397, 336, 300, 266, 250	0.743	0.502	0.743	0.520	3	
WR815	477 ¹⁸ / ₁ , 397, 336, 266, 4/0	556, 500, 400, 397, 350, 336, 300, 266, 250	2/0, 1/0, #1, #2, #3, #4, #6	2/0, 1/0, #1, #2, #3, #4, #6	3/0, 2/0, 1/0, #1, #2, #3, #4, #6	556, 477, 397, 336, 266	556, 477, 397, 336, 266, 250	2/0, 1/0, #1, #2, #3, #4, #6	3/0, 2/0, 1/0, #1, #2, #3, #4, #6	0.858	0.502	0.447	0.162	2	
WR835 OR NB 50040	477 ¹⁸ / ₁ , 397, 336, 266, 4/0	556, 500, 400, 397, 350, 336, 300, 266, 250	4/0, 3/0, 2/0, 1/0	4/0, 3/0, 2/0, 1/0	4/0, 3/0, 2/0	556, 477, 397, 336, 266	556, 477, 397, 350, 336, 300, 266, 250	266, 4/0, 3/0, 2/0	250, 4/0, 3/0	0.858	0.502	0.563	0.368	2	
WR875 [†]	477 ¹⁸ / ₁ , 397, 336, 266, 4/0	556, 500, 400, 397, 350, 336, 300, 266, 250	477 ¹⁸ / ₁ , 266	350, 336, 300, 266, 250	397, 366	556, 477, 397, 336, 266	556, 477, 397, 350, 336, 300, 336, 300	397, 336, 266	400, 397, 350, 336, 300, 266, 250	0.858	0.502	0.684	0.520	3	
WR885 OR NB 500	477 ¹⁸ / ₁ , 397, 336, 266, 4/0	500, 400, 397, 350, 336, 300, 266, 250, 4/0	477 ¹⁸ / ₁ , 397, 336, 266, 4/0	500, 400, 397, 350, 336, 300, 266, 250, 4/0	—	556, 477, 397, 336, 266	556, 477, 397, 350, 336, 300, 266, 250	556, 477, 397, 336, 266	556, 477, 397, 350, 336, 300, 266, 250	0.814	0.502	0.814	0.520	3	

Diagrams

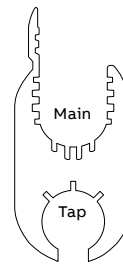


Fig. 1

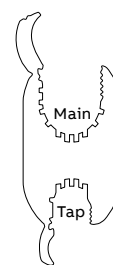
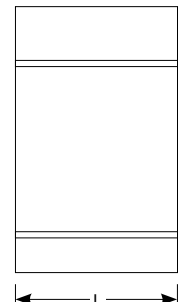


Fig. 2



* Will accept conductors of the same wire sizes with a 3% reduction of diameter (compressed). [†] See Fig. 2. Note: All die connectors can be used with Blackburn JB12A, JB12B, 12A and Y-35 tools. All die connectors are for use with hydraulic tools, 12-ton and greater. WR715, WR815 and WR835 use two indents with a hydraulic tool; all others use three indents.

Aluminum H-tap connectors and covers

WR™ wide-range aluminum tap connectors (continued)



WR699

WR N die tap connectors (continued)

Diagrams	Cat. no.	Conductor range (AWG or kcmil)												Connector length (in.)	
		Standard conductor*						Compact conductor				Diameter (in.)			
		Main		Tap		Sol.	Main		Tap		Max.	Min.	Max.		Min.
ACSR	Str.	ACSR	Str.		ACSR	Str.	ACSR	Str.		Max.	Min.	Max.	Min.		
	WR699	397 ¹⁸ / ₄ , 336, 266	400, 397, 350, 336, 300, 266, 250	#4, #6	#3, #4, #6	#2, #3, #4, #6	477, 397, 336	477, 397, 350, 336, 300	#4, #6	#2, #3, #4, #6	0.743	0.570	0.266	0.162	2
	WR719	397 ¹⁸ / ₄ , 336, 266	400, 397, 350, 336, 300, 266, 250	2/0, 1/0, #1, #2, #3	2/0, 1/0, #1, #2	3/0, 2/0, 1/0, #1	477, 397, 336	477, 397, 350, 336, 300	2/0, 3/0, 1/0, 2/0, #1, #2 1/0, #1		0.743	0.570	0.447	0.289	2
	WR739	397 ¹⁸ / ₄ , 336, 266	400, 397, 350, 336, 300, 266, 250	4/0, 3/0, 2/0, 1/0	4/0, 3/0, 2/0	4/0	477, 397, 336	477, 397, 350, 336, 300	266, 266, 4/0, 250, 3/0 4/0		0.743	0.570	0.563	0.398	2
	WR779	397 ¹⁸ / ₄ , 336, 266	400, 397, 350, 336, 300, 266, 250	397 ¹⁸ / ₄ , 336, 266	400, 397, 350, 336, 266, 250	477, 397	477, 397, 350, 336, 300	477, 477, 397, 397, 336, 336		0.743	0.570	0.743	0.570	3	
	WR799	477 ¹⁸ / ₄ , 266	500, 250	#4, #6	#3, #4, #6	#2, #3, #4, #6	477 ¹⁸ / ₄ , 266	500, 250	#3, #4, #6 #2, #3, #4, #6		0.814	0.575	0.270	0.160	2
	WR819	477 ¹⁸ / ₄ , 397, 336	556, 500, 477, 450, 400, 397, 350, 336	2/0, 1/0, #1, #2, #3	2/0, 1/0, #1, #2	3/0, 2/0, 1/0, #1	556, 477, 397	556, 477, 397	2/0, 3/0, 1/0, 2/0, #1, #2 1/0, #1		0.858	0.659	0.477	0.289	2
WR839	477 ¹⁸ / ₄ , 397, 336	556, 500, 477, 450, 400, 397, 350, 336	4/0, 3/0, 2/0	4/0, 3/0	4/0	556, 477, 397	556, 477, 397	266, 266, 4/0, 4/0, 3/0 3/0		0.858	0.659	0.563	0.477	2	
WR879 [†]	477 ¹⁸ / ₄ , 397, 336	556, 500, 477, 450, 400, 397, 350, 336	336 ¹⁸ / ₄ , 266	350, 336, 300, 266	397	556, 477, 397	556, 477, 397	397, 3 36 350, 336		0.858	0.659	0.684	0.593	3	
WR889	477 ¹⁸ / ₄ , 397, 336	500, 400, 397, 350, 336	477 ¹⁸ / ₄ , 397, 336	500, 400, 397, 350, 336	-	556, 477, 397, 336	556, 477, 397, 350	556, 556, 477, 477, 397, 397, 336, 336		0.814	0.666	0.814	0.666	3	

* Will accept conductors of the same wire sizes with a 3% reduction of diameter (compressed). [†] See Figure 2. Note: All die connectors can be used with Blackburn JB12A, JB12B, WH2, PH2, 12A and Y-35 tools. All die connectors are for use with hydraulic tools, 10-ton and greater. WR779, WR879 and WR889 use three indents with a hydraulic tool; all others use two indents.

Aluminum H-tap connectors and covers

WR™ wide-range aluminum tap connectors (continued)

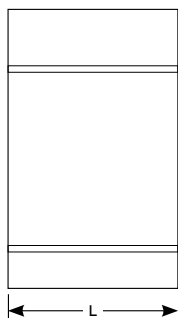
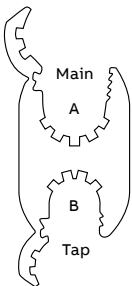


WR909

WR R die tap connectors

Diagrams	Cat. no.	Conductor range (AWG or kcmil)								Diameter (in.)				Connector length (in.)
		Standard conductor				Compact conductor				Main		Tap		
		Main		Tap		Main		Tap		Max.	Min.	Max.	Min.	
	ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.		
A	WR909	556 ^{18/1}	600, 556,	336 ^{18/1}	350, 336,	636,	700,	397 ^{1/2}	397,	0.893	0.666	0.684	0.398	4 ^{3/4}
		477, 397,	550, 500,	266, 4/0,	266, 250,	556,	636,	336,	350,					
B	WR929	336, 300	477, 450,	3/0, 2/0,	4/0, 3/0,	477,	556,	266,	336,					4 ^{3/4}
		397, 350,	336	1/0	2/0	397	500,	4/0,	300,					
								477,	266,					
								450	250,					
									4/0,					
									3/0					
	WR949	795 ^{29/1}	900, 874,	336 ^{18/1}	350, 336,	954,	1,000,	397 ^{18/1}	397,	1.108	0.883	0.684	0.398	4 ^{3/4}
		715, 666,	800, 795,	266, 4/0,	266, 250,	874,	954,	336,	350,					
		636, 605,	750, 715,	3/0, 2/0,	4/0, 3/0,	795	874,	266,	336,					
		556,	700, 636,	1/0	2/0		795,	4/0,	300,					
		477 ^{30/1}	600				750	3/0, 2/0	266,					
									250,					
									4/0,					
									3/0					
	WR969	795 ^{29/1}	900, 874,	556 ^{18/1}	600, 556,	954,	1,000,	636,	700,	1.108	0.883	0.893	0.666	4 ^{3/4}
		715, 666,	800, 795,	477, 397,	550, 500,	874,	954,	556,	636,					
		636, 605,	750, 715,	336, 300	477, 450,	795	874,	477,	556,					
		556,	700, 636,		400, 397,		795	397	477,					
		477 ^{30/1}	600		350, 336				450					
	WR989	795 ^{29/1}	900, 874,	795 ^{26/1}	900, 874,	954,	1,000,	954,	1,000,	1.108	0.883	1.108	0.883	4 ^{3/4}
		715, 666,	800, 795,	715, 666,	800, 795,	874,	954,	874,	954,					
		636, 605,	750, 715,	636, 605,	750, 715,	795	874,	795	874,					
		556,	700, 636,	556,	700, 636,		795,	795,	795,					
		477 ^{30/1}	600	477 ^{30/1}	600		750		750					
	WR999	954 ^{45/1}	1,033,	954 ^{45/1}	1,033,	954,	1,000,	954,	1,000,	1.172	0.997	1.172	0.994	4 ^{3/4}
		900, 874,	1,000, 900,	900, 874,	1,000,	900	900	900,	900					
		795, 715,	800, 795,	795, 750,	900, 800,			874						
		666	750	666	795, 750									

Note: All die connectors can be used with Blackburn JB60A, JB60B, Y60, 60A and PH-3 tools. All die connectors use four indents with a mechanical tool.



Aluminum H-tap connectors and covers

WR™ wide-range aluminum tap connectors (continued)



WR502

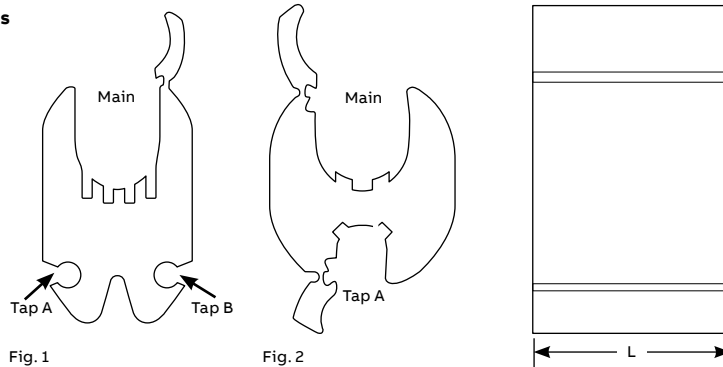


WR9

WR street lighting compression connectors

Cat. no.	Figure no.	Conductor range (AWG or kcmil)								Diameter (in.)						Connector length (in.)
		Main		Tap A		Tap B		Max.	Min.	Max.	Min.	Tap B				
		ACSR	Str.	Str.	Sol.	Str.	Sol.					Str.	Sol.	Max.	Min.	
WR9	2	#3, #4, #6	#2, #3, #4, #6	#1, #2, #3, #4	#8, #10, #12, #14	#8, #10, #12, #14	-	-	0.292	0.184	0.146	0.064	-	-	1 ³ / ₁₆	
WR139	1	1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2, #3	#1, #2	#8, #10	#6, #8, #10	#12, #14	#12, #14	0.419	0.250	0.162	0.100	0.092	0.064	1 ¹ / ₂	
WR502	1	4/0, 3/0	4/0, 3/0	-	#8, #10	#6, #8, #10	#12, #14	#12, #14	0.563	0.461	0.162	0.100	0.092	0.064	1 ¹ / ₂	
WR502 [†]	1	4/0, 3/0, 2/0, 1/0	4/0, 3/0, 2/0, 1/0	-	#8, #10	#6, #8, #10	#12, #14	#12, #14	0.563	0.365	0.162	0.100	0.092	0.064	1 ¹ / ₂	

Diagrams



* Will accept conductors of the same wire size with a 3% reduction of diameter (compressed).
[†] This range is possible only when crimped with a hydraulic tool.
 Note: WR9 uses a 5/8" BG connector die; WR139 uses an "O" connector die; WR502 uses a "D" connector die.
 WR9 uses three indents with a mechanical tool; all others use four indents.
 WR139 and WR502 use two indents with a hydraulic tool.

Aluminum H-tap connectors and covers

Aluminum H-type compression connectors

Deadend aluminum, ACSR or aluminum-alloy conductors.

- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Connectors fully marked with installation and compression location information, providing easy identification for easy installation

- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS accepted

Cat. no.	Fig.	Standard conductor/ACSR/AAC (AWG or kcmil)											Tap cvr.		
		Main groove, "A" range				Tap groove, "B" range			Side groove, "C" range						
		Groove "A" decimal range	ACSR	Str.	Sol.	Groove "B" decimal range	ACSR	Str.	Sol.	Groove "C" decimal range	Str.	Sol.		L (in.)	Die
UB 214	5	0.325–0.162	#2 ⁷ / ₁₆ –#6 ⁵ / ₁₆	#2(7)–#6(7)	#1–#6	0.146–0.064	–	#8–#14	#7–#14	–	–	–	¾ ⅝ or BG	CO 20 B	
OB 2014	6	0.447–0.292	2/0 ⁶ / ₁₆ –#2 ⁶ / ₁₆	2/0(19)–#2(7)	–	0.146–0.064	–	#8–#14	#7–#14	–	–	–	¾	O	CO 20 B
OB 22	4	0.325–0.162	#2 ⁷ / ₁₆ –#6 ⁵ / ₁₆	#2(7)–#6(7)	#2–#6	0.325–0.162	#2 ⁷ / ₁₆ –#6 ⁵ / ₁₆	#2(7)–#6(7)	#2–#6	0.148–0.062	#8–#14	#8–#14	1½	O	CO 20 B
OB 103	1	0.398–0.162	1/0 ⁶ / ₁₆ –#6 ⁵ / ₁₆	1/0(19)–#6(7)	#2–#6	0.332–0.162	#2 ⁷ / ₁₆ –#6 ⁵ / ₁₆	#1(19)–#6(7)	#2–#6	–	–	–	1½	O	CO 20 B
NB 60020	2	0.915–0.575	556.5 ²⁴ / ₁₆ –266.8 ¹⁸ / ₁₆	600(61)–250(37)	–	0.419–0.162	1/0 ⁶ / ₁₆ –#6 ⁵ / ₁₆	2/0(.9)–#1(7)	2/0–#6	–	–	–	2½	N	CO 20 B
ZB 954	2	1.196–0.586	954 ⁵⁴ / ₁₆ –266.8 ¹⁸ / ₁₆	1000(61)–266.8(7)	–	1.196–0.568	954 ⁵⁴ / ₁₆ –266.8 ¹⁸ / ₁₆	1000(61)–266.8(7)	–	–	–	–	6	Z or R	–
ZB 95440	3	1.140–0.586	795 ³⁰ / ₁₆ –266.8 ¹⁸ / ₁₆	750(61)–266.8(7)	–	0.741–0.522	336.4 ³⁰ / ₁₆ –4/0 ⁶ / ₁₆	350(37)–4/0(7)	–	0.292–0.162	#2–#6	#2–#6	3	Z or R	–
ZB 95410	3	1.140–0.586	795 ³⁰ / ₁₆ –266.8 ¹⁸ / ₁₆	750(61)–266.8(7)	–	0.563–0.368	4/0 ⁶ / ₁₆ –1/0 ⁶ / ₁₆	4/0(19)–1/0(7)	–	0.292–0.162	#2–#6	#2–#6	3	Z or R	–

Diagrams

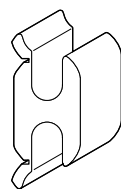


Fig. 1

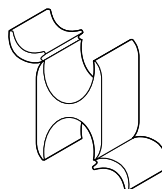


Fig. 2

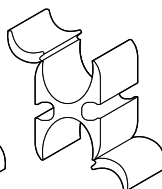


Fig. 3

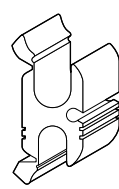


Fig. 4

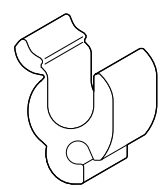


Fig. 5

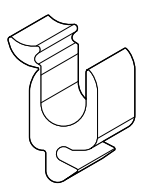


Fig. 6

Note: For connector covers, see next page. Install with hydraulic tools only. Use UT 5 tool with "O" and "D" connector dies; use UT 15 tool with "O," "D," "N" or "Z" connector dies. For more information, please consult your ABB representative. For Kearney, use "O" and "D" connector dies with mechanical or hydraulic tools. For Burndy, use "O" and "D-3" connector dies with mechanical or hydraulic tools; use "N," "Z" or "R" connector dies with hydraulic tools.

Aluminum H-tap connectors and covers

H-type connector covers



CO 20 B

CN 600 B

Secure double-locking latches provide a close-fitting top and bottom seal.

- Thin strips of the "grass skirt" mold around the conductors to provide a highly reliable end enclosure
- Tapered drains in both cover halves prevent accumulation of water within the cover, regardless of which half of the cover is down
- Made from black polypropylene to resist the elements, UV sun rays and common contaminants

H-type connector covers

Cat. no.	H (in.)	L (in.)	W (in.)
CO 20 B	2 ¹ / ₄	4 ¹ / ₂	1 ⁵ / ₈
CD 40 B	2 ³ / ₈	5 ⁵ / ₈	1 ³ / ₄
CN 600 B	2 ¹⁵ / ₁₆	6 ⁷ / ₈	2

Type C H-type compression connector covers

Cat. no.	Capacity (before compression)	H (in.)	L (in.)	W (in.)
C2BB	All ⁵ / ₈ " O.D. sleeves 2" long or less	1.10	4.00	1.05
C5BB	All O die taps 1.75" long or less	1.60	3.75	1.25
C7	All D die taps 2.5" long or less	1.80	5.00	1.45
C9	All N and D die taps 2" long or less	2.75	4.25	2.00
C9L	All N and D die taps 5" long or less	2.75	7.25	2.00