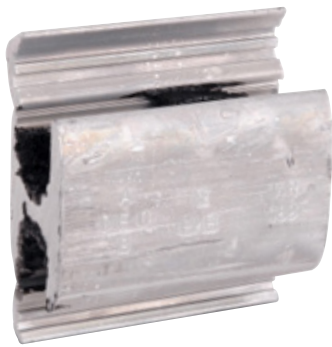


Aluminum H-tap connectors and covers

WR™ wide-range aluminum tap connectors



WR189 or OB101



WR259

For combinations of aluminum-to-aluminum and aluminum-to-copper conductors.

- Made of 1350 aluminum alloy for high strength and high conductivity
- Standard compression tools and dies install all sizes – no special tools needed
- Field-proven ribbed design enables excellent connector/conductor contact without distorting the conductor's shape
- Fold-in tabs provide positive tab interlock as tool closes
- Prefilled with oxide inhibitor held captive in the rib/connection area
- RUS Accepted
- Complies with ANSI C119.4 specifications

WR O and D die seven-connector program

		Conductor range (AWG or kcmil)														
		Standard conductor						Compact conductor				Diameter (in.)				
		Main			Tap			Main		Tap		Main		Tap		
Cat. no.	Connector number	ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.	Connector length (in.)
WR159 OR OB 44 OB 1	1	#2, #4, #6	#1, #2, #3, #4, #6	#2, #4, #6	#2, #4, #6	#1, #2, #3, #4, #6	#2, #4, #6	#1, #2, #4, #6	#1, #2, #3, #4, #6	#1, #2, #4, #6	#1, #2, #3, #4, #6	0.332	0.162	0.332	0.162	1 ⁷ / ₁₆
WR189 OR OB 101 OB 2	2	1/0, #1, #2	2/0, 1/0, #1, #2	3/0, 2/0, 1/0, #1	#2, #4, #6	#1, #2, #3, #4, #6	1/0, #1, #2, #4, #6	2/0, 1/0, #1, #2	2/0, 1/0, #1, #2	#1, #2, #4, #6	#1, #2, #3, #4, #6	0.419	0.266	0.332	0.162	1 ¹³ / ₁₆
WR289 OR DB 202 DB 3	3	2/0, 1/0	3/0, 2/0	4/0, 3/0	#2, #4, #6	#1, #2, #3, #4, #6	1/0, #1, #2, #4, #6	2/0, 1/0, #1, #2	2/0, 1/0, #1, #2	#1, #2, #4, #6	#1, #2, #3, #4, #6	0.470	0.398	0.332	0.162	1 ¹³ / ₁₆
WR279 OR DB 2020	4	2/0, 1/0, #1	3/0, 2/0, 1/0	–	2/0, 1/0, #1	3/0, 2/0, 1/0	–	3/0, 2/0, 1/0	3/0, 2/0, 1/0	3/0, 2/0, 1/0	3/0, 2/0, 1/0	0.470	0.336	0.470	0.336	1 ¹³ / ₁₆
WR379 OR DB 404 DB 5	5	4/0, 3/0	4/0	–	#2, #4, #6	#1, #2, #3, #4, #6	1/0, #1, #2, #4, #6	266 ¹⁸ / ₁₆ , 250, 4/0	266, 250, 4/0	#1, #2, #4, #6	#1, #2, #3, #4, #6	0.563	0.475	0.332	0.162	1 ¹³ / ₁₆
WR399 OR DB 4020 DB 6	6	4/0, 3/0	4/0, 3/0	–	2/0, 1/0, #1	2/0, 1/0	3/0, 2/0	266 ¹⁸ / ₁₆ , 4/0, 3/0	266, 250, 4/0	2/0, 1/0	3/0, 2/0, 1/0	0.563	0.461	0.447	0.338	2 ³ / ₁₆
WR419 OR DB 4040 DB 7	7	4/0, 3/0	4/0, 3/0	–	4/0, 3/0	4/0, 3/0	–	266 ¹⁸ / ₁₆ , 4/0, 3/0	266, 250, 4/0	266 ¹⁸ / ₁₆ , 4/0, 3/0	266, 250, 4/0	0.563	0.461	0.563	0.461	2 ⁷ / ₁₆

Note: Connector numbers 1 and 2 use "O" Die; 3–7 use "D" Die.

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.)
		Standard conductor*														
		Main			Tap A		Tap B		Main		Tap A		Tap B			
		ACSR	Str.	Sol.	Str.	Sol.	Str.	Sol.	Max.	Min.	Max.	Min.	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	–	–	13⁄16	
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	1½	
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	1½	
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	1½	

Diagrams

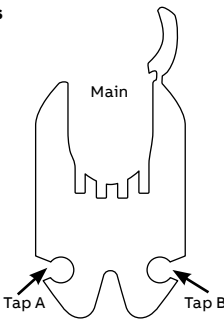


Fig. 1

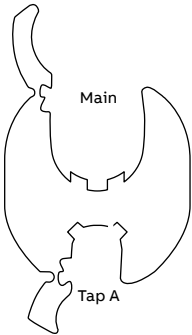
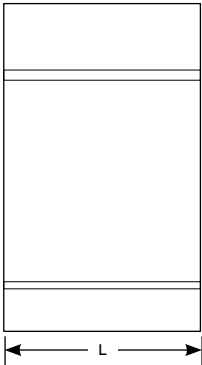


Fig. 2



* 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.