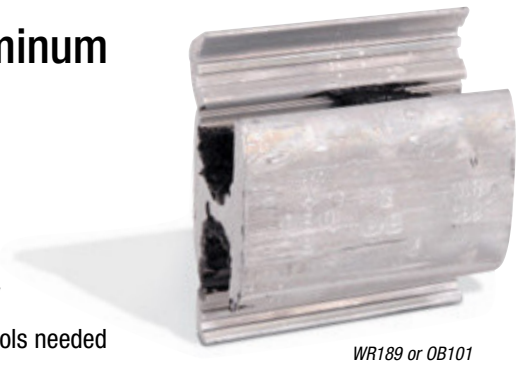
Aluminum H-Tap Connectors and Covers

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

WR™ Wide-Range Aluminum Tap Connectors



WR189 or OB101

- 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

CAT. NO.	CONNECTOR NUMBER	CONDUCTOR RANGE										DIAMETER (IN.)				CONNECTOR LENGTH (IN.)
		STANDARD CONDUCTOR						COMPACT CONDUCTOR								
		MAIN			TAP			MAIN		TAP		MAIN		TAP		
		ACSR	STR.	SOL.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	
WR159 or OB 44	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	.332	.162	.332	.162	1 7/16
OB 1																1½
WR189 or OB 101	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	.419	.266	.332	.162	1 11/16
OB 2																1¾
WR289 or DB 202	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	.470	.398	.332	.162	1 13/16
DB 3																1⅞
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	.470	.336	.470	.336	1 13/16
WR379 or DB 404	5	4/0, 3/0	4/0	—	#2, #4, #6	#1, #2, #3, #4, #6	1/0, #1, #2, #4, #6	266 18¾, 250, 4/0	266, 250, 4/0	#1, #2, #4, #6	#1, #2, #3, #4, #6	.563	.475	.332	.162	1 13/16
DB 5																1⅞
WR399 or DB 4020	6	4/0, 3/0	4/0, 3/0	—	2/0, 1/0, #1	2/0, 1/0	3/0, 2/0	266 18¾, 4/0, 3/0	266, 250, 4/0	2/0, 1/0	3/0, 2/0, 1/0	.563	.461	.447	.338	2 3/16
DB 6																2½
WR419 or DB 4040	7	4/0, 3/0	4/0, 3/0	—	4/0, 3/0	4/0, 3/0	—	266 18¾, 4/0, 3/0	266, 250, 4/0	266 18¾, 4/0, 3/0	266, 250, 4/0	.563	.461	.563	.461	2 7/16
DB 7																2½

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

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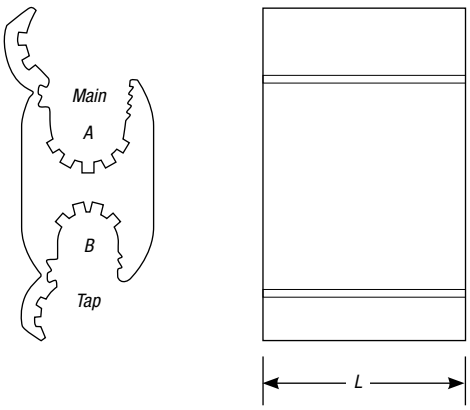
Aluminum H-Tap Connectors and Covers



WR259

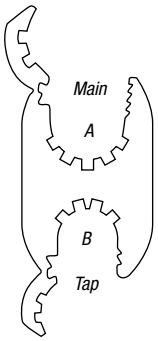
WR™ Supplemental O and D Die Connectors

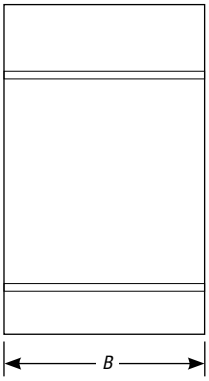
CAT. NO.	CONDUCTOR RANGE										DIAMETER (IN.)				CONNECTOR LENGTH (IN.)
	STANDARD CONDUCTOR						COMPACT CONDUCTOR								
	MAIN			TAP			MAIN		TAP		MAIN		TAP		
	ACSR	STR.	SOL.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	
WR149	#4, #6	#3, #4, #6	#2, #3, #4, #6	#4, #6	#3, #4, #6	#2, #3, #4, #6	#4, #6	#2, #3, #4, #6	#3, #4, #6	#2, #3, #4, #6	.266	.162	.266	.162	1½
WR179	1/0, #1, #2, #3	1/0, #1, #2	#1	#4, #6	#3, #4, #6	#2, #3, #4, #6	1/0, #1, #2	2/0, 1/0, #1, #2	#4, #6	#2, #3, #4, #6	.398	.266	.266	.162	1¾
WR199	1/0, #1, #2, #3	1/0, #1, #2	#1	#2, #3, #4	#1, #2, #3, #4	#1, #2	1/0, #1, #2	2/0, 1/0, #1, #2	#1, #2, #3, #4	#1, #2	.398	.266	.332	.232	1¾
WR1010 or OB 1010	1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2, #3, #4	1/0, #1, #2	1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2, #3, #4	1/0, #1, #2	2/0, 1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2	2/0, 1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2	.419	.232	.419	.232	1¾
WR259	1/0, #1	2/0, 1/0	—	1/0, #1	2/0, 1/0	—	2/0, 1/0	2/0, 1/0	2/0, 1/0	2/0, 1/0	.419	.326	.412	.292	1⅞
WR299	2/0, 1/0	3/0, 2/0	—	#4, #6	#3, #4, #6	#2, #3, #4, #6	3/0, 2/0	3/0	#4, #6	#2, #3, #4, #6	.470	.398	.266	.162	1½
WR219	1/0, #1	1/0, #1	—	1/0, #1, #2	1/0, #1	—	1/0	2/0, 1/0	1/0	2/0, 1/0	.398	.324	.398	.316	1⅞
WR239	2/0, 1/0	2/0, 1/0	—	#2, #3, #4	#1, #2, #3	#1, #2	2/0, 1/0	4/0, 3/0	#1, #2, #3, #4	#1, #2	.447	.365	.332	.236	1⅞
WR229	2/0	3/0, 2/0	—	1/0, #1, #2	1/0, #1	—	3/0, 2/0	3/0	1/0, #1	2/0, 1/0	.470	.410	.398	.316	1⅞
WR269	2/0	2/0	—	2/0, 1/0	2/0, 1/0	—	2/0	3/0	2/0, 1/0	3/0, 2/0, 1/0	.447	.410	.447	.336	1⅞

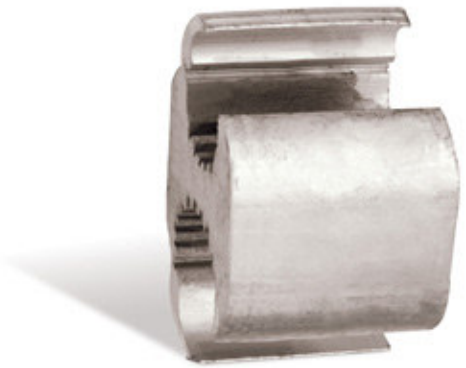
Note: *WR149–WR1010 use "O" connector die; all others use "D" connector die.*
WR1010 and WR299 use four indents with a mechanical tool; all others use five indents.
All die connectors use two indents with a hydraulic tool.

Aluminum H-Tap Connectors and Covers

WR™ Wide-Range Aluminum Tap Connectors *(continued)*







WR Connector

WR™ Supplemental D Connectors

	CONDUCTOR RANGE										DIAMETER (IN.)				
	STANDARD CONDUCTOR*						COMPACT CONDUCTOR								
	MAIN			TAP			MAIN		TAP		MAIN		TAP		
CAT. NO.	ACSR	STR.	SOL.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	CONNECTOR LENGTH (IN.)
WR319	3/0	3/0	—	#2, #3, #4	#1, #2, #3, #4	#1, #2	3/0	4/0	#1, #2, #3, #4	#1, #2	.502	.461	.332	.299	1⅞
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	.502	.461	.447	.336	2⅛
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	.563	.461	.266	.162	1⅞
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	.563	.461	.374	.266	1⅞
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	.563	.423	.373	.232	1⅞
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	.563	.461	.470	.376	2¾16
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	.563	.423	.470	.336	2¾16

** 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.*

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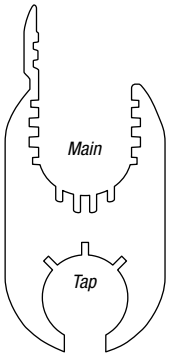


Fig. 1

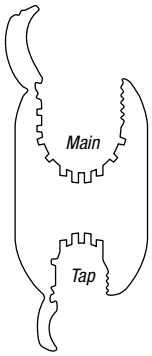
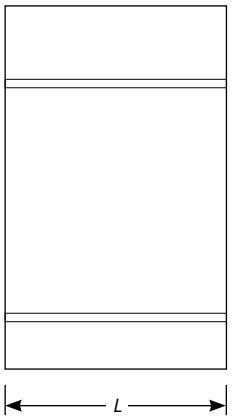


Fig. 2



WR715

WR™ N Die Tap Connectors

CAT. NO.	CONDUCTOR RANGE: STANDARD CONDUCTOR* MAIN ACSR	STANDARD CONDUCTOR* MAIN STR.	STANDARD CONDUCTOR* TAP ACSR	STANDARD CONDUCTOR* TAP STR.	STANDARD CONDUCTOR* TAP SOL.	COMPACT CONDUCTOR MAIN ACSR	COMPACT CONDUCTOR MAIN STR.	COMPACT CONDUCTOR TAP ACSR	COMPACT CONDUCTOR TAP STR.	DIAMETER (IN.) MAIN MAX.	DIAMETER (IN.) MAIN MIN.	DIAMETER (IN.) TAP MAX.	DIAMETER (IN.) TAP MIN.	CONNECTOR LENGTH (IN.)
WR715	397[18⅘], 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	.753	.502	.447	.162	2
WR775	397[18⅘], 336, 266, 4/0	400, 397, 350, 336, 300, 266, 250, 4/0	397[18⅘], 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	.743	.502	.743	.520	3
WR815	477[18⅘], 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	.858	.502	.447	.162	2
WR835 or NB 50040	477[18⅘], 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	.858	.502	.563	.368	2
WR875†	477[18⅘], 397, 336, 266, 4/0	556, 500, 400, 397, 350, 336, 300, 266, 250	477[18⅘] 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	.858	.502	.684	.520	3
WR885 or NB 500	477[18⅘], 397, 336, 266, 4/0	500, 400, 397, 350, 336, 300, 266, 250, 4/0	477[18⅘], 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	.814	.502	.814	.520	3

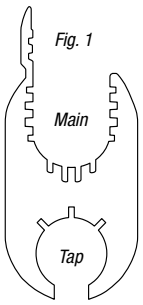
** Will accept conductors of the same wire sizes with a 3% reduction of diameter (compressed).*

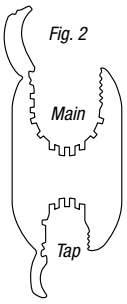
† See ***Fig. 2***.

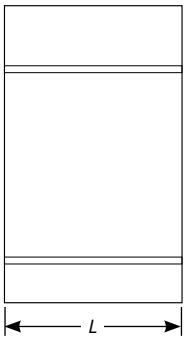
Note: *All die connectors can be used with Blackburn JB12A, JB12B, 12A and Y-35 tools.*
All die connectors are for use with hydraulic tools, 12-ton and greater.
WR715, WR815 and WR835 use two indents with a hydraulic tool; all others use three indents.

Aluminum H-Tap Connectors and Covers

WR™ Wide-Range Aluminum Tap Connectors *(continued)*







WR699

WR™ N Die Tap Connectors *(continued)*

CAT. NO.	CONDUCTOR RANGE									DIAMETER (IN.)				CONNECTOR LENGTH (IN.)
	STANDARD CONDUCTOR*					COMPACT CONDUCTOR				MAIN		TAP		
	MAIN		TAP			MAIN		TAP						
	ACSR	STR.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	
WR699	397[18⅞], 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	.743	.570	.266	.162	2
WR719	397[18⅞], 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, 1/0, #1, #2	3/0, 2/0, 1/0, #1	.743	.570	.447	.289	2
WR739	397[18⅞] 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, 4/0, 3/0	266, 250, 4/0	.743	.570	.563	.398	2
WR779	397[18⅞], 336, 266	400, 397, 350, 336, 300, 266, 250	397[18⅞], 336, 266	400, 397, 350, 336, 266, 250	477, 397	477, 397, 336	477, 397, 350, 336, 300	477, 397, 336	477, 397, 336	.743	.570	.743	.570	3
WR799	477[18⅞], 266	500, 250	#4, #6	#3, #4, #6	#2, #3, #4, #6	477[18⅞], 266	500, 250	#3, #4, #6	#2, #3, #4, #6	.814	.575	.270	.160	2
WR819	477[18⅞], 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, 1/0, #1, #2	3/0, 2/0, 1/0, #1	.858	.659	.477	.289	2
WR839	477[18⅞], 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, 4/0, 3/0	266, 4/0, 3/0	.858	.659	.563	.477	2
WR879†	477[18⅞], 397, 336	556, 500, 477, 450, 400, 397, 350, 336	336[18⅞], 266	350, 336, 300, 266	397	556, 477, 397	556, 477, 397	397, 336	397, 350, 336	.858	.659	.684	.593	3
WR889	477[18⅞], 397, 336	500, 400, 397, 350, 336	477[18⅞], 397, 336	500, 400, 397, 350, 336	—	556, 477, 397, 336	556, 477, 397, 350	556, 477, 397, 336	556, 477, 397, 350	.814	.666	.814	.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.

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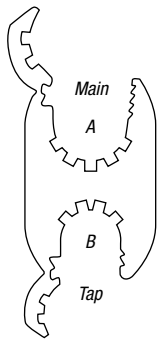
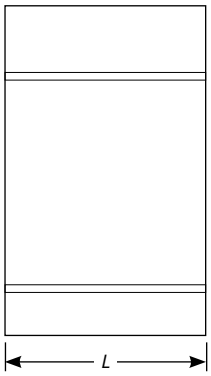




WR909

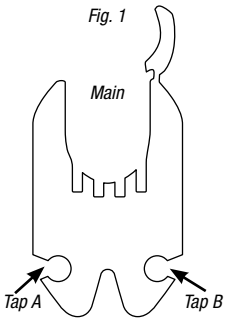
WR™ R Die Tap Connectors

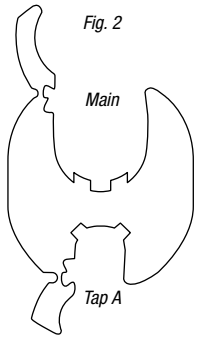
	CONDUCTOR RANGE								DIAMETER (IN.)				
	STANDARD CONDUCTOR				COMPACT CONDUCTOR								
	MAIN		TAP		MAIN		TAP		MAIN		TAP		CONNECTOR LENGTH
CAT. NO.	ACSR	STR.	ACSR	STR.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	(IN.)
WR909	556[18/1], 477, 397, 336, 300	600, 556, 550, 500, 477, 450, 397, 350, 336	336[18/1], 266, 4/0, 3/0, 2/0, 1/0	350, 336, 266, 250, 4/0, 3/0, 2/0	636, 556, 477, 397	700, 636, 556, 500, 477, 450	397½, 336, 266, 4/0, 3/0, 2/0	397, 350, 336, 300, 266, 250, 4/0, 3/0	.893	.666	.684	.398	4¾
WR929	556[18/1], 477,397, 336, 300	600, 556, 550, 500, 477, 450, 397, 350, 336	556[18/1], 477, 397 336, 300	600, 556, 550, 477, 450, 400, 397, 350, 336	636, 556, 477, 397	700, 636, 556, 500, 477, 450	636, 556, 477, 397	700, 636, 556, 477, 450	.893	.666	.893	.666	4¾
WR949	795[26/7], 715, 666, 636, 605, 556, 477[30/7]	900, 874, 800, 795, 750, 715, 700, 636, 600	336[18/1], 266, 4/0, 3/0, 2/0, 1/0	350, 336, 266, 250, 4/0, 3/0, 2/0	954, 874, 795	1000, 954, 874, 795, 750	397[18/1], 336, 266, 4/0, 3/0, 2/0	397, 350, 336, 300, 266, 250, 4/0, 3/0	1.108	.883	.684	.398	4¾
WR969	795[26/7], 715, 666, 636, 605, 556, 477[30/7]	900, 874, 800, 795, 750, 715, 700, 636, 600	556[18/1], 477, 397, 336, 300	600, 556, 550, 500, 477, 450, 400, 397, 350, 336	954, 874, 795	1000, 954, 874, 795	636, 556, 477, 397	700, 636, 556, 477, 450	1.108	.883	.893	.666	4¾
WR989	795[26/7], 715, 666, 636, 605, 556, 477[30/7]	900, 874, 800, 795, 750, 715, 700, 636, 600	795[26/7], 715, 666, 636, 605, 556, 477[30/7]	900, 874, 800, 795, 750, 715, 700, 636, 600	954, 874, 795	1000, 954, 874, 795, 750	954, 874, 795	1000, 954, 874, 795, 750	1.108	.883	1.108	.883	4¾
WR999	954[45/7], 900, 874, 795, 715, 666	1033, 1000, 900, 800, 795, 750	954[45/7], 900, 874, 795, 750, 666	1033, 1000, 900, 800, 795, 750	954, 900	1000, 900	954, 900, 874	1000, 900	1.172	.997	1.172	.994	4¾

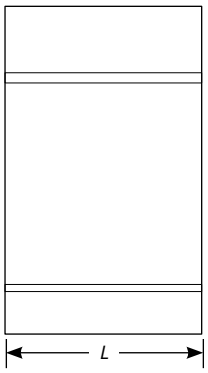
***Note**: All die connectors can be used with Blackburn JB60A, JB60B, Y60, 60A and PH-3 tools.*
All die connectors use four indents with a mechanical tool.

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: STANDARD CONDUCTOR*: MAIN: ACSR	MAIN: STR.	MAIN: SOL.	TAP A: STR.	TAP A: SOL.	TAP B: STR.	TAP B: SOL.	DIAMETER (IN.): MAIN: MAX.	MAIN: MIN.	TAP A: MAX.	TAP A: MIN.	TAP B: MAX.	TAP B: MIN.	CONNECTOR LENGTH (IN.)
WR9	2	#3, #4, #6	#2, #3, #4, #6	#1, #2, #3, #4	#8, #10, #12, #14	#8, #10, #12, #14	—	—	.292	.184	.146	.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	.419	.250	.162	.100	.092	.064	1½
WR502	1	4/0, 3/0	4/0, 3/0	—	#8, #10	#6, #8, #10	#12, #14	#12, #14	.563	.461	.162	.100	.092	.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	.563	.365	.162	.100	.092	.064	1½

** 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.

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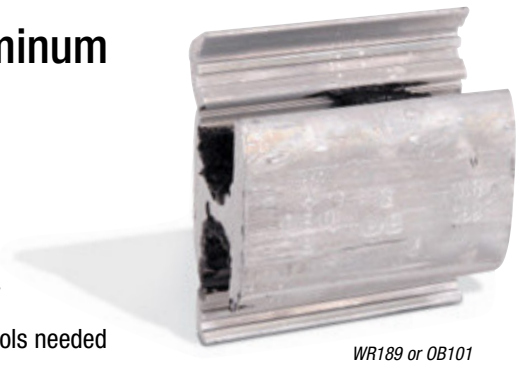
Aluminum H-Tap Connectors and Covers

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

WR™ Wide-Range Aluminum Tap Connectors



WR189 or OB101

- 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

CAT. NO.	CONNECTOR NUMBER	CONDUCTOR RANGE										DIAMETER (IN.)				CONNECTOR LENGTH (IN.)
		STANDARD CONDUCTOR						COMPACT CONDUCTOR								
		MAIN			TAP			MAIN		TAP		MAIN		TAP		
		ACSR	STR.	SOL.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	
WR159 or OB 44	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	.332	.162	.332	.162	1 7/16
OB 1																1½
WR189 or OB 101	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	.419	.266	.332	.162	1 11/16
OB 2																1¾
WR289 or DB 202	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	.470	.398	.332	.162	1 13/16
DB 3																1⅞
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	.470	.336	.470	.336	1 13/16
WR379 or DB 404	5	4/0, 3/0	4/0	—	#2, #4, #6	#1, #2, #3, #4, #6	1/0, #1, #2, #4, #6	266 18¾, 250, 4/0	266, 250, 4/0	#1, #2, #4, #6	#1, #2, #3, #4, #6	.563	.475	.332	.162	1 13/16
DB 5																1⅞
WR399 or DB 4020	6	4/0, 3/0	4/0, 3/0	—	2/0, 1/0, #1	2/0, 1/0	3/0, 2/0	266 18¾, 4/0, 3/0	266, 250, 4/0	2/0, 1/0	3/0, 2/0, 1/0	.563	.461	.447	.338	2 3/16
DB 6																2½
WR419 or DB 4040	7	4/0, 3/0	4/0, 3/0	—	4/0, 3/0	4/0, 3/0	—	266 18¾, 4/0, 3/0	266, 250, 4/0	266 18¾, 4/0, 3/0	266, 250, 4/0	.563	.461	.563	.461	2 7/16
DB 7																2½

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

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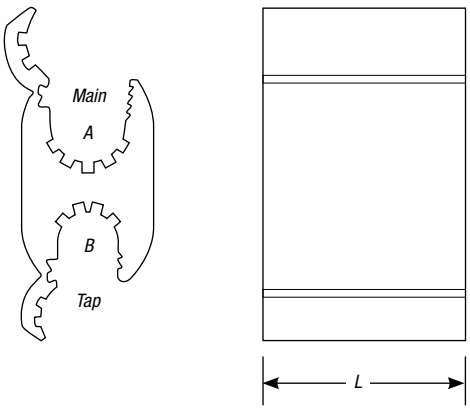
Aluminum H-Tap Connectors and Covers



WR259

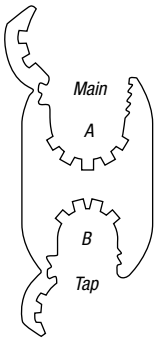
WR™ Supplemental O and D Die Connectors

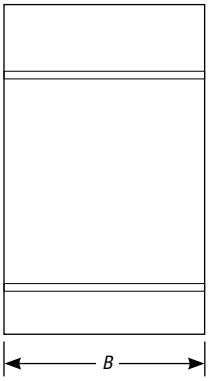
CAT. NO.	CONDUCTOR RANGE										DIAMETER (IN.)				CONNECTOR LENGTH (IN.)
	STANDARD CONDUCTOR						COMPACT CONDUCTOR								
	MAIN			TAP			MAIN		TAP		MAIN		TAP		
	ACSR	STR.	SOL.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	
WR149	#4, #6	#3, #4, #6	#2, #3, #4, #6	#4, #6	#3, #4, #6	#2, #3, #4, #6	#4, #6	#2, #3, #4, #6	#3, #4, #6	#2, #3, #4, #6	.266	.162	.266	.162	1½
WR179	1/0, #1, #2, #3	1/0, #1, #2	#1	#4, #6	#3, #4, #6	#2, #3, #4, #6	1/0, #1, #2	2/0, 1/0, #1, #2	#4, #6	#2, #3, #4, #6	.398	.266	.266	.162	1¾
WR199	1/0, #1, #2, #3	1/0, #1, #2	#1	#2, #3, #4	#1, #2, #3, #4	#1, #2	1/0, #1, #2	2/0, 1/0, #1, #2	#1, #2, #3, #4	#1, #2	.398	.266	.332	.232	1¾
WR1010 or OB 1010	1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2, #3, #4	1/0, #1, #2	1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2, #3, #4	1/0, #1, #2	2/0, 1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2	2/0, 1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2	.419	.232	.419	.232	1¾
WR259	1/0, #1	2/0, 1/0	—	1/0, #1	2/0, 1/0	—	2/0, 1/0	2/0, 1/0	2/0, 1/0	2/0, 1/0	.419	.326	.412	.292	1⅞
WR299	2/0, 1/0	3/0, 2/0	—	#4, #6	#3, #4, #6	#2, #3, #4, #6	3/0, 2/0	3/0	#4, #6	#2, #3, #4, #6	.470	.398	.266	.162	1½
WR219	1/0, #1	1/0, #1	—	1/0, #1, #2	1/0, #1	—	1/0	2/0, 1/0	1/0	2/0, 1/0	.398	.324	.398	.316	1⅞
WR239	2/0, 1/0	2/0, 1/0	—	#2, #3, #4	#1, #2, #3	#1, #2	2/0, 1/0	4/0, 3/0	#1, #2, #3, #4	#1, #2	.447	.365	.332	.236	1⅞
WR229	2/0	3/0, 2/0	—	1/0, #1, #2	1/0, #1	—	3/0, 2/0	3/0	1/0, #1	2/0, 1/0	.470	.410	.398	.316	1⅞
WR269	2/0	2/0	—	2/0, 1/0	2/0, 1/0	—	2/0	3/0	2/0, 1/0	3/0, 2/0, 1/0	.447	.410	.447	.336	1⅞

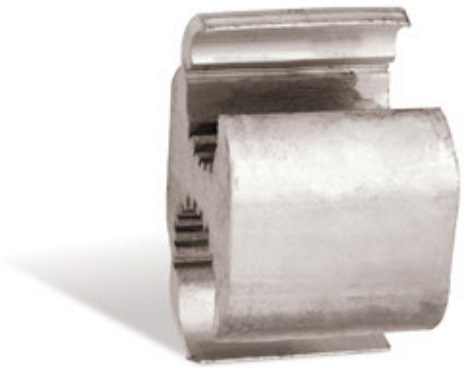
Note: *WR149–WR1010 use "O" connector die; all others use "D" connector die.*
WR1010 and WR299 use four indents with a mechanical tool; all others use five indents.
All die connectors use two indents with a hydraulic tool.

Aluminum H-Tap Connectors and Covers

WR™ Wide-Range Aluminum Tap Connectors *(continued)*







WR Connector

WR™ Supplemental D Connectors

	CONDUCTOR RANGE										DIAMETER (IN.)				
	STANDARD CONDUCTOR*						COMPACT CONDUCTOR								
	MAIN			TAP			MAIN		TAP		MAIN		TAP		
CAT. NO.	ACSR	STR.	SOL.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	CONNECTOR LENGTH (IN.)
WR319	3/0	3/0	—	#2, #3, #4	#1, #2, #3, #4	#1, #2	3/0	4/0	#1, #2, #3, #4	#1, #2	.502	.461	.332	.299	1⅞
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	.502	.461	.447	.336	2⅛
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	.563	.461	.266	.162	1⅞
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	.563	.461	.374	.266	1⅞
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	.563	.423	.373	.232	1⅞
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	.563	.461	.470	.376	2¾16
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	.563	.423	.470	.336	2¾16

** 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.*

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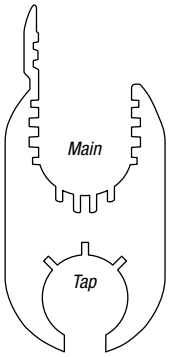


Fig. 1

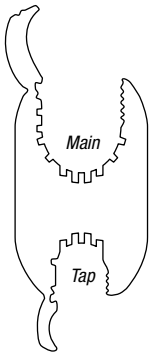
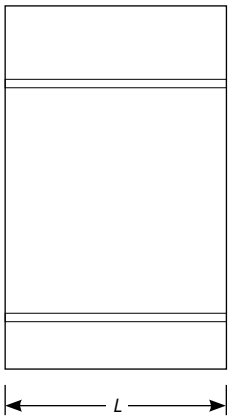


Fig. 2



WR715

WR™ N Die Tap Connectors

CAT. NO.	CONDUCTOR RANGE: STANDARD CONDUCTOR* MAIN ACSR	STANDARD CONDUCTOR* MAIN STR.	STANDARD CONDUCTOR* TAP ACSR	STANDARD CONDUCTOR* TAP STR.	STANDARD CONDUCTOR* TAP SOL.	COMPACT CONDUCTOR MAIN ACSR	COMPACT CONDUCTOR MAIN STR.	COMPACT CONDUCTOR TAP ACSR	COMPACT CONDUCTOR TAP STR.	DIAMETER (IN.) MAIN MAX.	DIAMETER (IN.) MAIN MIN.	DIAMETER (IN.) TAP MAX.	DIAMETER (IN.) TAP MIN.	CONNECTOR LENGTH (IN.)
WR715	397[18⅘], 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	.753	.502	.447	.162	2
WR775	397[18⅘], 336, 266, 4/0	400, 397, 350, 336, 300, 266, 250, 4/0	397[18⅘], 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	.743	.502	.743	.520	3
WR815	477[18⅘], 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	.858	.502	.447	.162	2
WR835 or NB 50040	477[18⅘], 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	.858	.502	.563	.368	2
WR875†	477[18⅘], 397, 336, 266, 4/0	556, 500, 400, 397, 350, 336, 300, 266, 250	477[18⅘] 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	.858	.502	.684	.520	3
WR885 or NB 500	477[18⅘], 397, 336, 266, 4/0	500, 400, 397, 350, 336, 300, 266, 250, 4/0	477[18⅘], 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	.814	.502	.814	.520	3

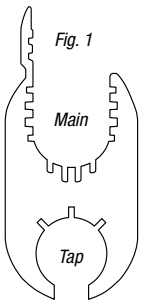
** Will accept conductors of the same wire sizes with a 3% reduction of diameter (compressed).*

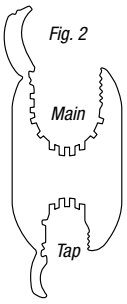
† See ***Fig. 2***.

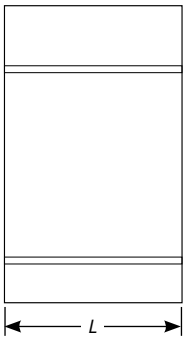
Note: *All die connectors can be used with Blackburn JB12A, JB12B, 12A and Y-35 tools.*
All die connectors are for use with hydraulic tools, 12-ton and greater.
WR715, WR815 and WR835 use two indents with a hydraulic tool; all others use three indents.

Aluminum H-Tap Connectors and Covers

WR™ Wide-Range Aluminum Tap Connectors *(continued)*







WR699

WR™ N Die Tap Connectors *(continued)*

CAT. NO.	CONDUCTOR RANGE									DIAMETER (IN.)				CONNECTOR LENGTH (IN.)
	STANDARD CONDUCTOR*					COMPACT CONDUCTOR				MAIN		TAP		
	MAIN		TAP			MAIN		TAP						
	ACSR	STR.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	
WR699	397[18⅞], 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	.743	.570	.266	.162	2
WR719	397[18⅞], 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, 1/0, #1, #2	3/0, 2/0, 1/0, #1	.743	.570	.447	.289	2
WR739	397[18⅞] 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, 4/0, 3/0	266, 250, 4/0	.743	.570	.563	.398	2
WR779	397[18⅞], 336, 266	400, 397, 350, 336, 300, 266, 250	397[18⅞], 336, 266	400, 397, 350, 336, 266, 250	477, 397	477, 397, 336	477, 397, 350, 336, 300	477, 397, 336	477, 397, 336	.743	.570	.743	.570	3
WR799	477[18⅞], 266	500, 250	#4, #6	#3, #4, #6	#2, #3, #4, #6	477[18⅞], 266	500, 250	#3, #4, #6	#2, #3, #4, #6	.814	.575	.270	.160	2
WR819	477[18⅞], 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, 1/0, #1, #2	3/0, 2/0, 1/0, #1	.858	.659	.477	.289	2
WR839	477[18⅞], 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, 4/0, 3/0	266, 4/0, 3/0	.858	.659	.563	.477	2
WR879†	477[18⅞], 397, 336	556, 500, 477, 450, 400, 397, 350, 336	336[18⅞], 266	350, 336, 300, 266	397	556, 477, 397	556, 477, 397	397, 336	397, 350, 336	.858	.659	.684	.593	3
WR889	477[18⅞], 397, 336	500, 400, 397, 350, 336	477[18⅞], 397, 336	500, 400, 397, 350, 336	—	556, 477, 397, 336	556, 477, 397, 350	556, 477, 397, 336	556, 477, 397, 350	.814	.666	.814	.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.

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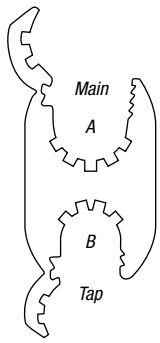
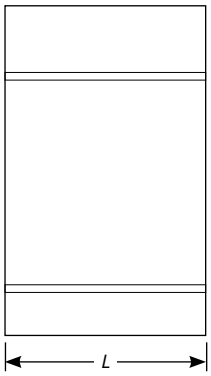
Aluminum H-Tap Connectors and Covers





WR909

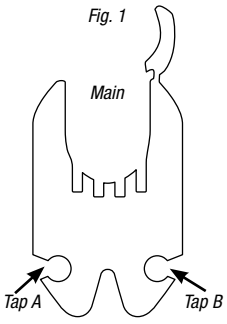
WR™ R Die Tap Connectors

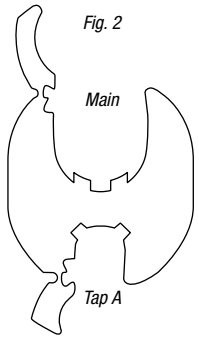
	CONDUCTOR RANGE								DIAMETER (IN.)				
	STANDARD CONDUCTOR				COMPACT CONDUCTOR								
	MAIN		TAP		MAIN		TAP		MAIN		TAP		CONNECTOR LENGTH
CAT. NO.	ACSR	STR.	ACSR	STR.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	(IN.)
WR909	556[18/1], 477, 397, 336, 300	600, 556, 550, 500, 477, 450, 397, 350, 336	336[18/1], 266, 4/0, 3/0, 2/0, 1/0	350, 336, 266, 250, 4/0, 3/0, 2/0	636, 556, 477, 397	700, 636, 556, 500, 477, 450	397½, 336, 266, 4/0, 3/0, 2/0	397, 350, 336, 300, 266, 250, 4/0, 3/0	.893	.666	.684	.398	4¾
WR929	556[18/1], 477,397, 336, 300	600, 556, 550, 500, 477, 450, 397, 350, 336	556[18/1], 477, 397 336, 300	600, 556, 550, 477, 450, 400, 397, 350, 336	636, 556, 477, 397	700, 636, 556, 500, 477, 450	636, 556, 477, 397	700, 636, 556, 477, 450	.893	.666	.893	.666	4¾
WR949	795[26/7], 715, 666, 636, 605, 556, 477[30/7]	900, 874, 800, 795, 750, 715, 700, 636, 600	336[18/1], 266, 4/0, 3/0, 2/0, 1/0	350, 336, 266, 250, 4/0, 3/0, 2/0	954, 874, 795	1000, 954, 874, 795, 750	397[18/1], 336, 266, 4/0, 3/0, 2/0	397, 350, 336, 300, 266, 250, 4/0, 3/0	1.108	.883	.684	.398	4¾
WR969	795[26/7], 715, 666, 636, 605, 556, 477[30/7]	900, 874, 800, 795, 750, 715, 700, 636, 600	556[18/1], 477, 397, 336, 300	600, 556, 550, 500, 477, 450, 400, 397, 350, 336	954, 874, 795	1000, 954, 874, 795	636, 556, 477, 397	700, 636, 556, 477, 450	1.108	.883	.893	.666	4¾
WR989	795[26/7], 715, 666, 636, 605, 556, 477[30/7]	900, 874, 800, 795, 750, 715, 700, 636, 600	795[26/7], 715, 666, 636, 605, 556, 477[30/7]	900, 874, 800, 795, 750, 715, 700, 636, 600	954, 874, 795	1000, 954, 874, 795, 750	954, 874, 795	1000, 954, 874, 795, 750	1.108	.883	1.108	.883	4¾
WR999	954[45/7], 900, 874, 795, 715, 666	1033, 1000, 900, 800, 795, 750	954[45/7], 900, 874, 795, 750, 666	1033, 1000, 900, 800, 795, 750	954, 900	1000, 900	954, 900, 874	1000, 900	1.172	.997	1.172	.994	4¾

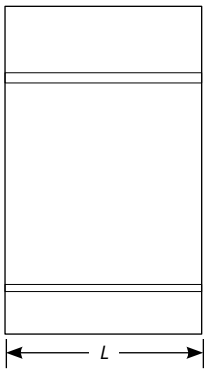
***Note**: All die connectors can be used with Blackburn JB60A, JB60B, Y60, 60A and PH-3 tools.*
All die connectors use four indents with a mechanical tool.

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: STANDARD CONDUCTOR*: MAIN: ACSR	MAIN: STR.	MAIN: SOL.	TAP A: STR.	TAP A: SOL.	TAP B: STR.	TAP B: SOL.	DIAMETER (IN.): MAIN: MAX.	MAIN: MIN.	TAP A: MAX.	TAP A: MIN.	TAP B: MAX.	TAP B: MIN.	CONNECTOR LENGTH (IN.)
WR9	2	#3, #4, #6	#2, #3, #4, #6	#1, #2, #3, #4	#8, #10, #12, #14	#8, #10, #12, #14	—	—	.292	.184	.146	.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	.419	.250	.162	.100	.092	.064	1½
WR502	1	4/0, 3/0	4/0, 3/0	—	#8, #10	#6, #8, #10	#12, #14	#12, #14	.563	.461	.162	.100	.092	.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	.563	.365	.162	.100	.092	.064	1½

** 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.

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