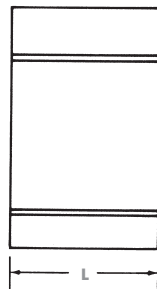
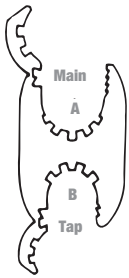


Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

“O” and “D” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9



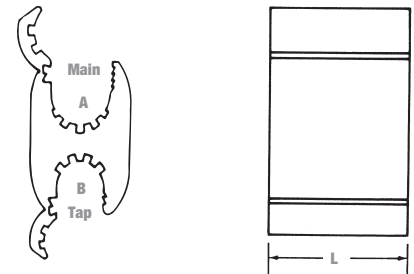
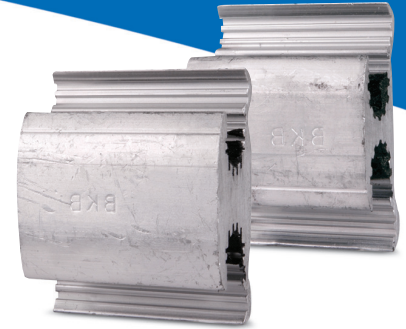
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information				
		Standard Conductor						Compact Conductor							Connector Die	No. Indents			
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool		
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					Max.	Min.
WR159	1	2	2	2			2	2	2	2		0.332	0.162			1-7/16	0	4	
WR189	2	1/0	2/0	3/0	2	1		2/0	2/0			0.419	0.266	0.332	0.162	1-11/16			
WR289	3	2/0	3/0	4/0				3/0	3/0	1	2			0.398				5	2
WR279	4	1/0	2/0	3/0	2/0	3/0	3/0	2/0	2/0	2/0	2/0	0.336	0.470	0.36		1-13/16			
WR379	5	4/0	4/0		2	1		266-18/1	266	1	2	0.475	0.332	0.162					
WR399	6	3/0	4/0		2/0	2/0	3/0	266-18/1	266	2/0	3/0	0.563				2-3/16		6	
WR419	7	3/0	3/0		4/0	4/0		3/0	250	266-18/1	266	0.461				2-7/16		7	3

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

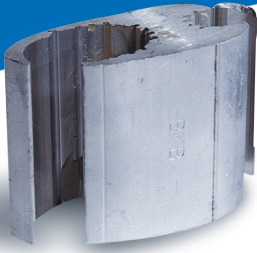
Supplemental “O” and “D” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9



Products on this page are not CSA applicable.

Cat. No.	Conductor Range														Connector Length L (in.)	Installation Information					
	Standard Conductor						Compact Conductor				Diameter (in.)					Connector Die	No. Indents				
	Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool			
	ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.							
WR149	4 4 6	3 4 6	2 3 4 6		3 4 6	2 3 6	4 6	2 3 6	3 4 6	2 3 6	0.266	0.162	0.266	0.162	1-1/2	0	5	2			
WR179	1/0 1 2 3	1/0 1 2	1	4 6	3 4 6	4 6	1/0 1 2		4 6	6	0.398	0.266			1-3/4				4		
WR199	1/0 1 2 3			2 3 4	1 2 3 4		2/0 1/0 1 4	2	1 2 3 4	2 1 1/0 2	0.066	0.332									
WR1010	1/0 1 2 3 4	2/0 1/0 1 2 4	1 2	1/0 1 2 3 4	2/0 1/0 1 3 4	1 2	2/0 1/0 1 2 4	2	2/0 1/0 1 3 4	2/0 1/0 1 2	0.419	0.232	0.419	0.232							
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		0.326	0.412	0.292	1-7/8		5				
WR299	2/0 1/0	3/0 2/0		4 6	3 4 6	2 3 6	3/0 2/0	3/0	4 6	3 4 6	0.470	0.398	0.266	0.162	1-1/2		4				
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	0.398	0.324	0.398	0.316	1-7/8	D	5				
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	0.447	0.365	0.332	0.236							
WR229		3/0 2/0		1/0 1 2	1/0 1		3/0 2/0		1/0 1	2/0 1/0	0.470		0.398	0.316							
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	0.447		0.447	0.336							

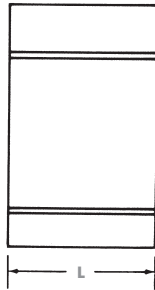
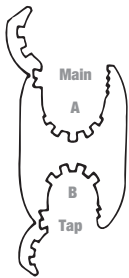


Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

Supplemental “O” and “D” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9



Products on this page are not CSA applicable.

Cat. No.	Conductor Range														Connector Length L (in.)	Installation Information									
	Standard Conductor*						Compact Conductor				Diameter (in.)					Connector Die	No. Indents								
	Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool							
	ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.											
WR319	3/0	3/0	-	2	1	1	3/0	4/0	1	1	0.502	0.332	0.229	1-7/8	D	5	2								
WR339				3	2	2			2/0	2/0								3/0	2/0	2/0	2/0	0.447	0.336	2-1/8	6
WR359	4/0	3/0		4	3	2	266	1/0	1/0	1/0								0.563	0.461	0.162	1-7/8	D	4	2	
WR369				6	4	3																			1
WR369**	4/0	3/0		4/0	1	1/0	1/0	266	4/0	266								1/0	0.63	0.423	0.3763	0.232	D	5	2
WR389					2	2	1			266								2							
WR389**	4/0	3/0		2/0	3	3	2	266	4/0	3								2	0.563	0.423	0.336	2-3/16	D	6	2
WR389**					4	4	1			266								4							

*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).
 **This range possible only when crimped with hydraulic tool TBM14M or JB12B.

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors “N” Die for Hydraulic Tools, 12-Ton and Greater

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9

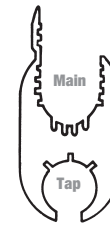
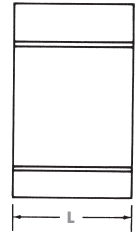


Fig. 1



Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range												Connector Length L (in.)	Installation Information	
	Standard Conductor*					Compact Conductor				Diameter (in.)				For Use with Tool	No. of Indents
	Main		Tap		Sol.	Main		Tap		Max.	Min.	Max.			
ACSR	Str.	ACSR	Str.		ACSR	Str.	ACSR	Str.							
WR715	397-18/1	400	2/0	2/0	3/0	477	500	2/0	3/0	0.753	0.447	0.162	2	2	
		397	1/0	1/0	2/0			1/0	2/0						
		350	1	1	1			1	1						
		336	2	2	2			2	2						
		300	3	3	3			3	3						
		266	4	4	4			4	4						
250	6	6	6	6	6										
WR775	336 266	400	400	400		477	500	3/0	500	0.743	0.743	0.520	3	3	
		397	397	397				400	400						
		350	397-18/1	350	-			397	397						
		336	336	336				336	336						
		300	266	300				300	300						
		266	4/0	266				266	266						
250	250	250		250	250										
4/0	4/0	4/0		4/0	4/0										
WR815	556 500	2/0	2/0	3/0	556	477	2/0	3/0	0.520	0.447	0.162	2	TBM12, JB12B and Y-35	2	
		1/0	1/0	2/0			1/0	2/0							
		1	1	1			1	1							
		2	2	2			2	2							
		3	3	3			3	3							
		4	4	4			4	4							
6	6	6	6	6											
WR835	477-18/1	400	4/0	4/0	4/0	477	556	266	250	0.858	0.563	0.368	2	3	
		397	3/0	3/0	3/0			4/0	4/0						
		350	2/0	2/0	2/0			3/0	3/0						
		336	1/0	1/0	2/0			2/0	3/0						
		300													
		266													
250															
WR875**	397 336 266 4/0	477-18/1	350	397	477	556	397	400	0.684	0.520	3	3			
		266	336	350			336	350							
		250	300	366			266	300							
			266				397	266							
			250				350	250							
							336								
WR885	500 400 397 350 336 300 266 250 4/0	477-18/1	500		477	556	556	556	0.814	0.814	3	3			
		397	400				477	477							
		350	397				397	397							
		336	350				336	350							
		300	300				300	300							
		266	266				266	266							
250	250		250	250											
4/0	4/0		4/0	4/0											

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

** Not reversible (Fig. 2).



Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors “N” Die for Hydraulic Tools, 10-Ton and Greater

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9

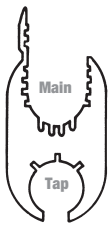


Fig. 1

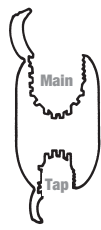
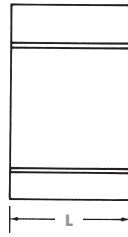


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range											Connector Length L (in.)	Installation Information		
	Standard Conductor*					Compact Conductor				Diameter (in.)			For Use with Tool	No. of Indents	
	Main		Tap			Main		Tap		Main	Tap				
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.				
WR699			4 6	3 4 6	2 3 4 6			4 6	2 3 4 6			0.266	0.162		
WR719	397-18/1 336 266	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	477 397 350 336	477 397 350 300	2/0 1/0 1 2	3/0 2/0 1/0 2	0.743	0.570	0.447	0.289	2	2
WR739			4/0 3/0 2/0 1/0	4/0 3/0 2/0	4/0			266 4/0 3/0	266 250 4/0			0.563	0.398		
WR779			397-18/1 336 266	400 397 350 336 266 250	477 397			477 397 336	477 397 336			0.743	0.570	3	3
WR799	477-18/1 266	500 250	4 6	3 4 6	2 3 4 6	477-18/1 250	500 250	3 4 6	2 3 4 6	0.814	0.575	0.270	0.160		TBM12, JB12B and 13642M
WR819	477-18/1 397 336	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 2	0.858	0.659	0.477	0.289	2	2
WR839			4/0 3/0 2/0	4/0 3/0	4/0			266 4/0 3/0	266 250 4/0			0.563	0.477		
WR879**			336-18/1 266	350 336 300 266	397				397 336			397 350 336	0.684		
WR889		500 400 397 350 336	477-18/1 397 336	500 400 397 350 336	—	556 477 397 336	556 477 397 350	556 477 397 336	556 477 397 350	0.814	0.666	0.814	0.666		3

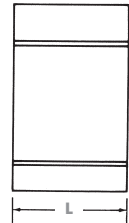
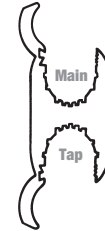
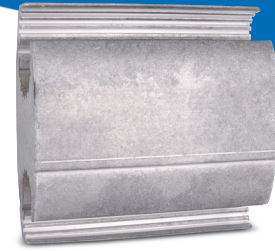
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**Not reversible (Fig. 2).

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors “R” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9



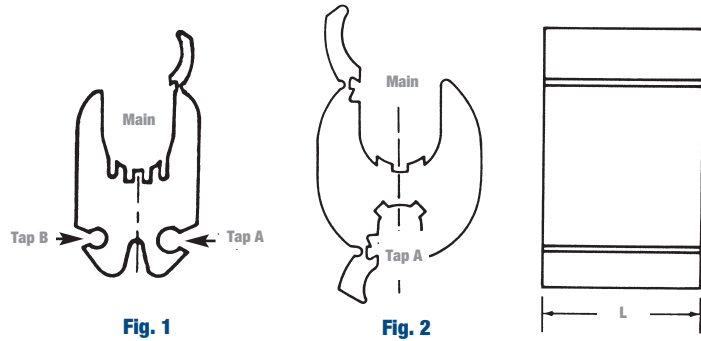
Products on this page are not CSA applicable.

Cat. No.	Conductor Range										Connector Length L (in.)	Installation Information								
	Standard Conductor				Compact Conductor				Diameter (in.)			For Use with Tool	Connector Die	No. of Indents						
	Main		Tap		Main		Tap		Max.	Min.										
ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.									
WR909			336-1/81	350			397-1/2	397					4-3/4	TBM15I (15620)	R	4				
			266	336			336	336												
		600	4/0	250			266	300	0.893	0.666	0.684	0.398								
		556	3/0	4/0			4/0	266												
	550	2/0	3/0			3/0	250													
	556-18/1	1/0	2/0			2/0	4/0													
	477	400		600	636	700	4/0													
	397	477		556	556	556	3/0													
	336	450		477	500	500	2/0													
	300	400		397	477	450	3/0													
WR929			556-18/1	500			636	700												
			477	600			556	636												
		397	477	556	477	556	556	556	0.893	0.666	0.893	0.666								
		350	397	450	450	477	477	477												
	336	336	400	397	350	350	397													
	300	300	350	336	336	336	336													
WR949			336-18/1	350			397-18/1	397												
			266	336			18/1	350												
			4/0	266			336	336	1.108	0.883	0.684	0.398								
			3/0	250			266	300												
		2/0	4/0			4/0	266													
		1/0	3/0			3/0	250													
			2/0			2/0	4/0													
			3/0			3/0	3/0													
			4/0			4/0	4/0													
			5/0			5/0	5/0													
WR969		900		600																
		874		556																
		800	556-18/1	500			636	700												
		715	477	477	954	1000	556	363	1.108	0.883	0.893	0.666								
	666	795	397	477	874	874	477	556												
	636	750	336	450	795	795	397	477												
	606	715	300	400				477												
	556	700		397				450												
	477-30/7	636		350																
	600	600		336																
WR989			795-26/7	874																
			715	800																
		666	666	795			954	954	1.108	0.883	1.108	0.883								
		636	750	795			874	874												
	605	715	715	715			795	795												
	556	700		700				750												
	477-30/7	636		636																
	600	600		600																
WR999	954-45/7	1033	954-45/7	1033																
	900	1000	900	1000																
	874	900	874	900	954	1000	954	1000	1.172	0.997	1.172	0.997								
	795	800	7985	800	900	900	900	900												
	715	795	715	795			874													
	666	750	666	750																



Compression H-Tap Connectors

Type WR — Street Lighting Compression Connectors



Products on this page are not CSA applicable.

Cat. No.	Figure No.	Conductor Range													Connector Length L (in.)	Installation Information		
		Standard Conductor						Diameter (in.)						For Use with Tool		No. of Indents		
		Main			Tap A		Tap B		Main		Tap A		Tap B			Mech. Tool	Hyd. Tool	
		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	5/8 BG	3	-
WR139	1	1/0 1 2 3 4	2/0 1/0 1 2 3	1 2	8 10 12 14	6 8 10 12 14	-	-	0.419	0.250	0.162	0.100	0.092	0.064	1-1/2	D	4	-
WR502		4/0 3/0	4/0 3/0	-					0.461	0.365								
WR502*		4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0	-					0.563	0.365								

Will accept conductors of these same wire sizes with a 3 % reduction of diameter (compressed).
 * This range possible only when crimped with hydraulic tool TBM14M or JB12B.
 ** CSA Certified.

Compression H-Tap Connectors

Type CF — Copper Compression Tap Connectors

- For tapping copper conductors to unbroken main copper conductors
- Extruded pure electrolytic copper
- Full length tab for easy installation
- Efficient design for lower crimping force
- Standard compression tools and dies
- Single and double tab designs

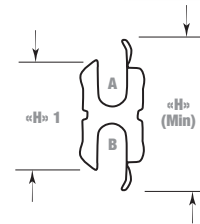
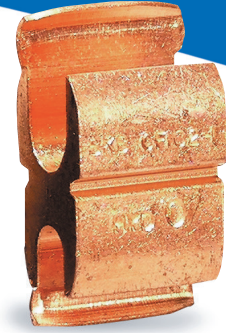


Fig. 1

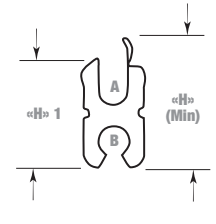


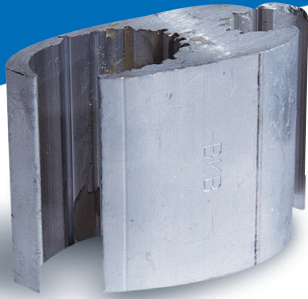
Fig. 2

Cat. No.	Figure No.	Conductor Range								Dimensional Information			Installation Information																						
		Standard Conductor*				Diameter (in.)*							Mechanical Tools***		Hydraulic Tools***																				
		Main A		Tap B		Main A		Tap B		H (Min.)	H 1	Connector Length (in.)	OD 58	Type 0	MD Series	JB12B	H Series	Y-35	TBM15/Y45/Y46																
ACSR	Str.	Sol.	Str.	Max.	Min.	Max.	Min.																												
CF44-1	1	4	6	4	6	0.204	0.162	0.204	0.128	0.971	0.729	13/16	B, T 5/8	B, T 5/8	W-KB W-BG	BKT	B	BKT U-BG	BKT U-BG																
CFS44-1	2	4	6	4	6	0.204	0.162	0.204	0.128	0.864	0.743						BKT																		
CF22-1	1	2	4	2	4	0.258	0.204		0.204	1.162	0.813	27/32	K	K	W-KK	-	-	-	BKT																
CFS22-1	2	2	4	2	4	0.258	0.204	0.258	0.162	1.017	0.842					HBKC	BKT	BKT	BKT																
CF102-1	1	-	1/0 1 2	2 4 6	4	0.373	0.292	0.373	0.292	1.540	1.100	7/8	-	-	-	K-C	C	K-C	BK-C																
CF1010-1																				1/0 1 2	0.373	0.292	1.610	1.050											
CF202-1																				2/0 1/0 1 2	0.419	0.368	0.259	0.204	1.670	1.269									
CF2020-1	1	-	2/0 1/0	-	2/0 1/0 1 2	0.419	0.368	0.414	0.292	1.740	1.220	7/8	-	-	-	K-C	C	K-C	BK-C																
CF402-1	1	-	4/0 3/0 2/0	2 4	4	0.528	0.414	0.373	0.292	1.983	1.423	1-1/8	-	-	-	D**	D**	D**	D**																
CF4010-1																				1/0 1 2	0.528	0.414	0.373	0.292	1.992										
CF4040-1																				4/0 3/0 2/0	0.528	0.414	2.252	1.483											

*Decimal dimensions are for conventional conductor, not Copperweld or Alumoweld.

**Blackburn "D" dies.

***Three indents with mechanical tools and one indent with hydraulic tools. 15-Ton/head use appropriate die adapters.

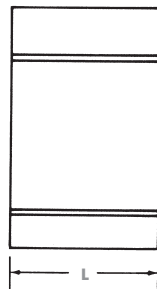
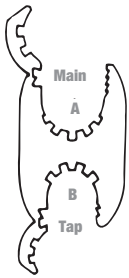


Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

“O” and “D” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9



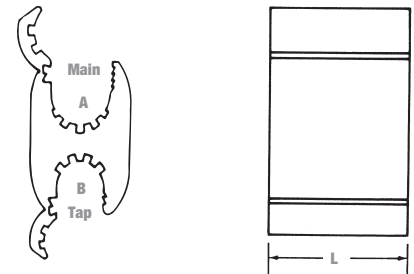
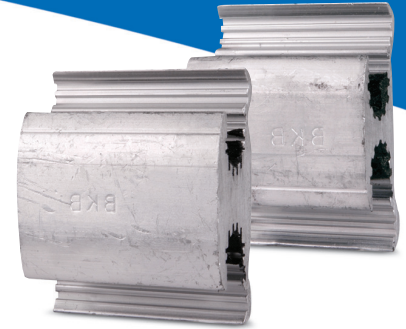
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information						
		Standard Conductor						Compact Conductor							Connector Die	No. Indents					
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool				
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					Max.	Min.		
WR159	1	2	2	2			2	2	2	2			0.332	0.162			1-7/16	0	4		
WR189	2	1/0	2/0	3/0	2	1		2/0	2/0				0.419	0.266	0.332	0.162	1-11/16				
WR289	3	2/0	3/0	4/0				3/0	3/0	1	2				0.398						
WR279	4	1/0	2/0	3/0	2/0	3/0	3/0	2/0	2/0	2/0	2/0	2/0	0.470	0.336	0.470	0.36	1-13/16		5	2	
WR379	5	4/0	4/0		2	1		266-18/1	266	1	2		0.475	0.332	0.162						
WR399	6	3/0	4/0		2/0	2/0	3/0	266-18/1	266	2/0	3/0		0.563		0.447	0.338	2-3/16		6		
WR419	7	3/0	3/0		4/0	4/0		3/0	250	266-18/1	266		0.461		0.563	0.461	2-7/16		7	3	

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

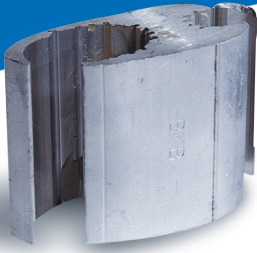
Supplemental “O” and “D” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9



Products on this page are not CSA applicable.

Cat. No.	Conductor Range														Connector Length L (in.)	Installation Information		
	Standard Conductor						Compact Conductor				Diameter (in.)					Connector Die	No. Indents	
	Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool
	ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.				
WR149	4 4 6	3 4 6	2 3 4 6		3 4 6	2 3 6	4 6	2 3 6	3 4 6	2 3 6	0.266	0.162	0.266	0.162	1-1/2	0	5	2
WR179	1/0 1 2 3	1/0 1 2	1	4 6	3 4 6	4 6	1/0 1 2		4 6	4 6	0.398	0.266	0.066	0.332	1-3/4			
WR199	1/0 1 2 3	1/0 1 2	1	2 3 4	1 2 3 4		1/0 1 2	2/0 1/0 1 4	1 2 3 4	1 2	0.419	0.232	0.419	0.232	1-3/4	4		
WR1010	1/0 1 2 3 4	2/0 1/0 1 2 4	1 2	1/0 1 2 3 4	2/0 1/0 1 2 4	1 2	2/0 1/0 1 4	2/0 1/0 1 4	2/0 1/0 1 2	2/0 1/0 1 2	0.419	0.232	0.419	0.232	1-7/8	5		
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	0.326	0.412	0.292	0.162	1-7/8	5		
WR299	2/0 1/0	3/0 2/0		4 6	3 4 6	2 3 6	3/0 2/0	3/0	4 6	2 3 4 6	0.470	0.398	0.266	0.162	1-1/2	4		
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	0.398	0.324	0.398	0.316	1-7/8	D	5	
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	0.447	0.365	0.332	0.236				
WR229		3/0 2/0		1/0 1 2	1/0 1	-	3/0 2/0		1/0 1	2/0 1/0	0.470		0.398	0.316				
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	0.447		0.447	0.336				

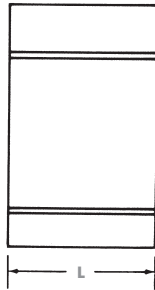
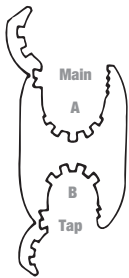


Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

Supplemental “O” and “D” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9



Products on this page are not CSA applicable.

Cat. No.	Conductor Range														Connector Length L (in.)	Installation Information			
	Standard Conductor*						Compact Conductor				Diameter (in.)					Connector Die	No. Indents		
	Main		Sol.	Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool	
	ACSR	Str.		ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.					
WR319	3/0	3/0	-	2	1	1	3/0	4/0	1	1	0.502	0.332	0.229	1-7/8	D	5			2
WR339				3	2				2	2							2/0	3/0	
WR359	4/0	3/0		4	3	2	266	1/0	1/0	0.563	0.461	0.266	0.162	1-7/8			4		
WR369				6	4	3												266	
WR369**	4/0	3/0		1	1/0	1	266	4/0	1/0	1/0	0.63	0.423	0.3763	0.232			1-7/8	5	
WR389				2	1	1													
WR389**	4/0	3/0		1/0	1/0	1/0	266	4/0	3/0	2/0	0.563	0.423	0.336	2-3/16			6		
WR389**				3	2	2												266	
WR389**	4/0	3/0		2/0	3/0	-	266	4/0	2/0	2/0	0.563	0.423	0.336	2-3/16			6		
WR389**				1	2/0	1/0												266	

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

**This range possible only when crimped with hydraulic tool TBM14M or JB12B.

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors “N” Die for Hydraulic Tools, 12-Ton and Greater

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9

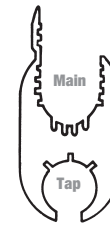
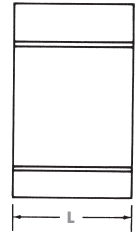


Fig. 1



Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range												Connector Length L (in.)	Installation Information	
	Standard Conductor*					Compact Conductor				Diameter (in.)				For Use with Tool	No. of Indents
	Main		Tap		Sol.	Main		Tap		Max.	Min.	Max.			
ACSR	Str.	ACSR	Str.		ACSR	Str.	ACSR	Str.							
WR715	397-18/1	400	2/0	2/0	3/0	477	500	2/0	3/0	0.753	0.447	0.162	2	2	
		397	1/0	1/0	2/0			1/0	2/0						
		350	1	1	1			1	1						
		336	2	2	2			2	2						
		300	3	3	3			3	3						
266	4	4	4	4	4										
250	6	6	6	6	6										
WR775	336 266	400	400	400		477	500	3/0	500	0.743	0.743	0.520	3	3	
		397	397	397				400	400						
		350	397-18/1	350	-			397	397						
		336	336	336				336	336						
		300	266	300				300	300						
266	4/0	266		266	266										
250		250		250	250										
4/0		4/0		4/0	250										
WR815	556 500	2/0	2/0	3/0	556	477	2/0	3/0	0.520	0.447	0.162	2	TBM12, JB12B and Y-35	2	
		1/0	1/0	2/0			1/0	2/0							
		1	1	1			1	1							
		2	2	2			2	2							
		3	3	3			3	3							
4	4	4	4	4											
6	6	6	6	6											
WR835	477-18/1	4/0	4/0	4/0	477	556	2/0	250	0.858	0.563	0.368	2	3		
		397	3/0	3/0			3/0	3/0							
		350	2/0	2/0			2/0	2/0							
		336	1/0	1/0			1/0	1/0							
		300													
266															
250															
WR875**	397 336 266 4/0	477-18/1	350	397	477	556	400	400	0.684	0.520	3	3			
		266	336	336			350	397							
		250	300	300			336	350							
			266	266			266	300							
			250	250			250	266							
WR885	500 400 397 350 336 300 266 250 4/0	477-18/1	500		477	556	556	556	0.814	0.814	3	3			
		397	400				477	477							
		350	397				397	397							
		336	350				336	350							
		300	300				300	336							
266	266		266	300											
250	250		250	266											
4/0	4/0		4/0	250											

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

** Not reversible (Fig. 2).



Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors “N” Die for Hydraulic Tools, 10-Ton and Greater

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9

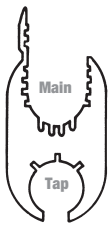


Fig. 1

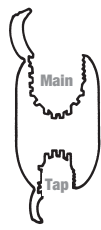
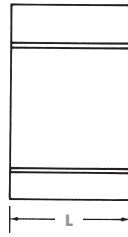


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range											Connector Length L (in.)	Installation Information		
	Standard Conductor*					Compact Conductor				Diameter (in.)			For Use with Tool	No. of Indents	
	Main		Tap		Sol.	Main		Tap		Main	Tap				
	ACSR	Str.	ACSR	Str.		ACSR	Str.	ACSR	Str.	Max.	Min.				
WR699			4 6	3 4 6	2 3 4 6			4 6	2 3 4 6			0.266	0.162		
WR719	397-18/1 336 266	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	477 397 350 336	477 397 350 300	2/0 1/0 1 2	3/0 2/0 1/0 2	0.743	0.570	0.447	0.289	2	2
WR739			4/0 3/0 2/0 1/0	4/0 3/0 2/0	4/0			266 4/0 3/0	266 250 4/0			0.563	0.398		
WR779			397-18/1 336 266	400 397 350 336 266 250	477 397			477 397 336	0.743			0.570	3		
WR799	477-18/1 266	500 250	4 6	3 4 6	2 3 4 6	477-18/1 250	500 250	3 4 6	2 3 4 6	0.814	0.575	0.270	0.160	TBM12, JB12B and 13642M	2
WR819	477-18/1 397 336	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 2	0.858	0.659	0.477	0.289		
WR839			4/0 3/0 2/0	4/0 3/0	4/0			266 4/0 3/0	266 250 4/0			0.563	0.477		
WR879**			336-18/1 266	350 336 300 266	397			397 336	0.684			0.593	2	3	
WR889	500 400 397 350 336	477-18/1 400 397 336	500 400 397 350 336	—	556 477 397 336	556 477 397 350	556 477 397 336	556 477 397 350	0.814	0.666	0.814	0.666			

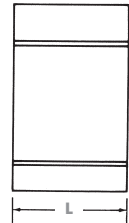
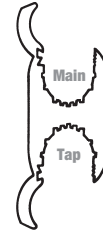
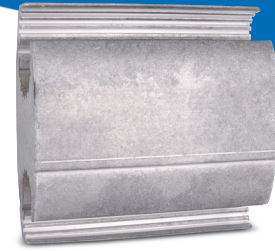
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**Not reversible (Fig. 2).

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors “R” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides unparalleled connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- For copper-to-copper combinations, use CF type shown on page C9



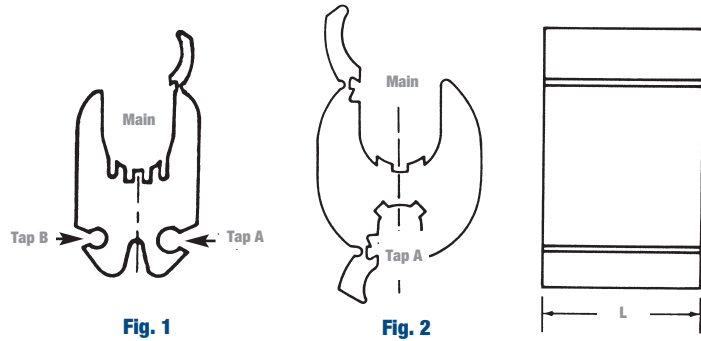
Products on this page are not CSA applicable.

Cat. No.	Conductor Range											Connector Length L (in.)	Installation Information											
	Standard Conductor				Compact Conductor				Diameter (in.)				For Use with Tool	Connector Die	No. of Indents									
	Main		Tap		Main		Tap		Main		Tap													
	ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.					Min.								
WR909			336-1/81	350			397-1/2	397					0.893	0.666	0.684	0.398	4-3/4	TBM15I (15620)	R	4				
			266	336			336	336																
		600	4/0	250			266	300																
		556	3/0	4/0			4/0	266																
	550	2/0	3/0			3/0	250																	
	556-18/1	500	1/0	2/0			2/0	4/0																
	477	400		600	636	700		3/0																
	397	477		556	556	556																		
	336	450		477	477	500																		
	300	400	556-18/1	500	397	450	636	700																
WR929			477	600				636					0.893	0.666	0.893	0.666					4-3/4	TBM15I (15620)	R	4
			397	556				556																
			336	477				556																
			300	450				477																
		350	450				477																	
		336	400				397																	
		397	397																					
		350	450																					
		336	400																					
		350	400																					
		336	397																					
WR949			336-18/1	350			397-18/1	397					1.108	0.883	0.684	0.398	4-3/4	TBM15I (15620)	R	4				
			266	336			336	336																
			4/0	250			266	300																
			3/0	4/0			4/0	266																
		2/0	3/0			3/0	250																	
		1/0	2/0			2/0	4/0																	
			600																					
			556																					
			500																					
			477																					
			450																					
			400																					
			397																					
			350																					
			336																					
WR969			556-18/1	600			636	700					1.108	0.883	0.893	0.666	4-3/4	TBM15I (15620)	R	4				
			477	556				363																
			397	477				556																
			336	450				477																
		300	400				477																	
			397				450																	
			350																					
			336																					
			900																					
			874																					
			800																					
			795																					
			750																					
			715																					
			666																					
			636																					
			606																					
			700																					
			556																					
			477-30/7																					
			636																					
			600																					
			795-26/7																					
			874																					
			715																					
			800																					
			666																					
			795																					
			750																					
			636																					
			606																					
			700																					
			556																					
			477-30/7																					
			636																					
			600																					
			795-26/7																					
			874																					
			715																					
			800																					
			666																					
			795																					
			636																					
			605																					
			715																					
			556																					
			477-30/7																					
			636																					
			600																					
WR989			954-45/7	1033			954	1000					1.108	0.883	1.108	0.883	4-3/4	TBM15I (15620)	R	4				
			900	1000				954																
			874	900				874																
			795	800				795																
			795				795																	
			715				750																	
			556				750																	
			477-30/7																					
			636																					
			600																					
WR999			954-45/7	1033			954	1000					1.172	0.997	1.172	0.997					4-3/4	TBM15I (15620)	R	4
			900	1000				900																
			874	900				874																
			795	800				874																
			795				900																	
			715				900																	
			666																					



Compression H-Tap Connectors

Type WR — Street Lighting Compression Connectors



Products on this page are not CSA applicable.

Cat. No.	Figure No.	Conductor Range													Connector Length L (in.)	Installation Information		
		Standard Conductor						Diameter (in.)						For Use with Tool		No. of Indents		
		Main			Tap A		Tap B		Main		Tap A		Tap B			Mech. Tool	Hyd. Tool	
		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	5/8 BG	3	-
WR139	1	1/0 1 2 3 4	2/0 1/0 1 2 3	1 2	8 10 12 14	6 8 10 12 14	-	-	0.419	0.250	0.162	0.100	0.092	0.064	1-1/2	D	4	-
WR502		4/0 3/0	4/0 3/0	-					0.461	0.365								
WR502*		4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0	-					0.563	0.365								

Will accept conductors of these same wire sizes with a 3 % reduction of diameter (compressed).
 * This range possible only when crimped with hydraulic tool TBM14M or JB12B.
 ** CSA Certified.

Compression H-Tap Connectors

Type CF — Copper Compression Tap Connectors

- For tapping copper conductors to unbroken main copper conductors
- Extruded pure electrolytic copper
- Full length tab for easy installation
- Efficient design for lower crimping force
- Standard compression tools and dies
- Single and double tab designs

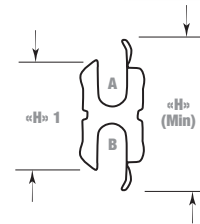
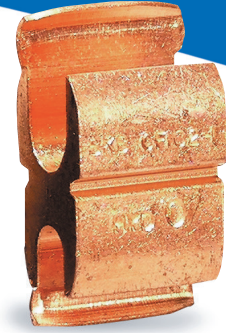


Fig. 1

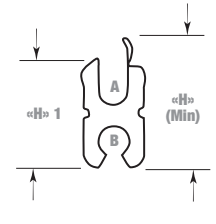


Fig. 2

Cat. No.	Figure No.	Conductor Range								Dimensional Information			Installation Information												
		Standard Conductor*				Diameter (in.)*							Mechanical Tools***		Hydraulic Tools***										
		Main A		Tap B		Main A		Tap B		H (Min.)	H 1	Connector Length (in.)	OD 58	Type 0	MD Series	JB12B	H Series	Y-35	TBM15/Y45/Y46						
ACSR	Str.	Sol.	Str.	Max.	Min.	Max.	Min.																		
CF44-1	1	4	6	4	6	0.204	0.162	0.204	0.128	0.971	0.729	13/16	B, T 5/8	B, T 5/8	W-KB W-BG	BKT	B	BKT U-BG	BKT U-BG						
CFS44-1	2	4	6	4	6	0.204	0.162	0.204	0.128	0.864	0.743						BKT								
CF22-1	1	2	4	2	4	0.258	0.204		0.204	1.162	0.813	27/32	K	K	W-KK	-	-	-	BKT						
CFS22-1	2	2	4	2	4	0.258	0.204	0.258	0.162	1.017	0.842					HBKC	BKT	BKT	BKT						
CF102-1	1	-	1/0 1 2	2 4 6	0.373	0.292	0.373	0.292	0.162	1.540	1.100	7/8	-	-	-	0	0	0	0						
CF1010-1										1.610	1.050														
CF202-1										1.670	1.269														
CF2020-1	1	-	2/0 1/0 1 2	-	0.419	0.368	0.414	0.292	0.259	0.204	1.740	1.220	1.670	1.269	-	-	-	K-C	C	K-C	BK-C				
CF402-1	1	-	4/0 3/0 2/0	2 4	0.528	0.414	0.373	0.292	0.259	0.204	1.983	1.423	1-1/8	-	-	-	D**	D**	D**	D**					
CF4010-1											1.992	1.423													
CF4040-1											2.252	1.483													

*Decimal dimensions are for conventional conductor, not Copperweld or Alumoweld.

**Blackburn "D" dies.

***Three indents with mechanical tools and one indent with hydraulic tools. 15-Ton/head use appropriate die adapters.