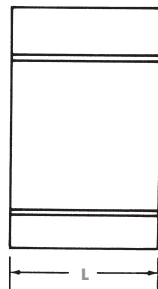


## Compression H-Tap Connectors

### 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



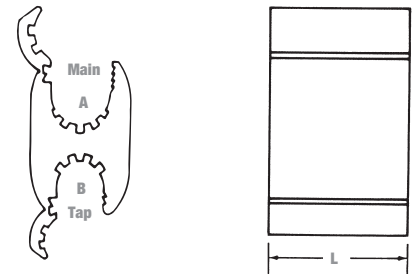
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information				
		Standard Conductor						Compact Conductor							Connector Die	No. Indents			
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool		
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					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			0.470	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			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	4/0	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.				
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
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		
WR199	1/0 1 2 3	1 2	1	2 3 4	1 2 4	1 2	2/0 1/0 1 4	2 1 4	1 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 1 4	2/0 1/0 1 2 4	2/0 1/0 1 2	0.419	0.232	0.419	0.232	1-7/8	4	
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	2								2/0	3/0	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																			4
WR369**	4/0	3/0		1	1/0	1	266	4/0	1	1/0								0.63	0.423	0.3763	0.232	1-7/8	D	5	2
WR389				2	1	1			2	1															
WR389**	4/0	3/0		1/0	1/0	1/0	266	4/0	1	1/0								0.563	0.423	0.336	2-3/16	D	6	2	
WR389**				2	1	1			2	1															2

\*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

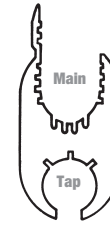


Fig. 1

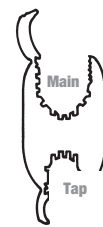
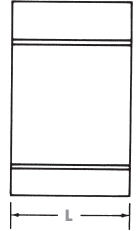


Fig. 2



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	556	2/0	3/0	0.520	0.447	0.162	2	TBM12, JB12B and Y-35	2	
		1/0	1/0	2/0			477	1/0							2/0
		1	1	1/0			397	1							1/0
		2	2	2			350	2							2
		3	3	3			336	3							3
		4	4	4			266	4							4
6	6	6	250	6	6										
WR835	477-18/1	4/0	4/0	4/0	477	556	266	250	0.858	0.563	0.368	2	3		
		397	3/0	3/0			477	4/0						4/0	
		350	2/0	2/0			397	3/0						3/0	
		336	1/0	1/0			350	2/0						3/0	
		300					300								
		266					266								
250			250												
WR875**	397 336 266 4/0	477-18/1	350	397	477	556	400	397	0.684	0.520	3	3			
		266	336	350			500	336					350		
		250	300	366			400	266					300		
			266				397	266					266		
			250				350						250		
							300								
			266												
WR885	500 400 397 350 336 300 266 250 4/0	477-18/1	500		477	556	556	556	0.814	0.814					
		397	400				477	477							
		350	397				397	397							
		336	350				394	350							
		300	300				336	336							
		266	266				266	300							
250	250			266											
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

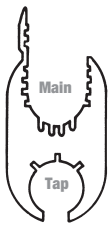


Fig. 1

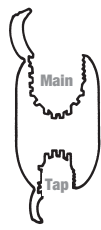


Fig. 2



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	397 350 336			0.684	0.593		
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	

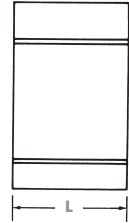
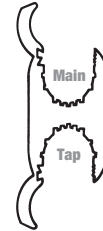
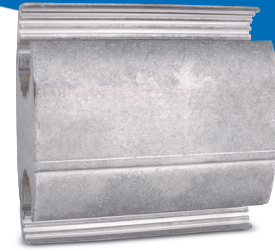
\*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

\*\*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



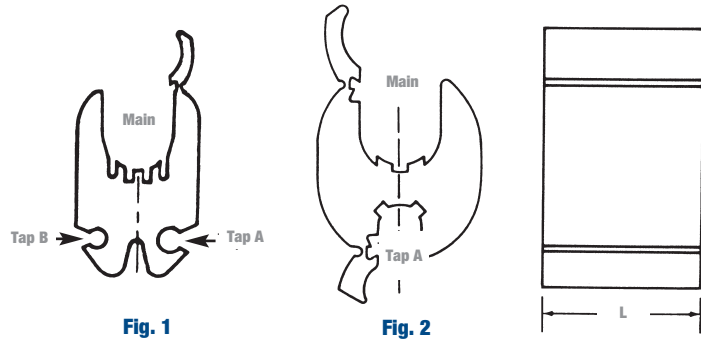
Products on this page are not CSA applicable.

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		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																				
WR929			2/0	3/0			3/0	250					0.893	0.666	0.893	0.666					4-3/4	TBM15I (15620)	R	4				
		556-18/1	1/0	2/0			2/0	4/0																				
		477	400	600	636	700		3/0																				
		397	477	556	477	500		4/0																				
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																				
WR969			2/0	3/0			3/0	250					1.108	0.883	0.893	0.666	4-3/4	TBM15I (15620)	R	4								
			1/0	2/0			2/0	4/0																				
		795-26/7	900	600				3/0																				
		874	556	336				4/0																				
WR989			556-18/1	500			636	700					1.108	0.883	1.108	0.883					4-3/4	TBM15I (15620)	R	4				
			477	477			556	363																				
		795	397	450	954	1000	477	556																				
		636	750	400	874	874	397	477																				
WR999			300	397			795	450					1.172	0.997	1.172	0.997									4-3/4	TBM15I (15620)	R	4
			350	336				450																				
		954-45/7	1033	954-45/7	1033																							
		900	1000	900	1000	954	1000	954	1000																			
WR999			874	900			900	900					1.172	0.997	1.172	0.997	4-3/4	TBM15I (15620)	R	4								
			795	800			874	900																				
		795	800	7985	800	900	900	900																				
		715	795	715	795																							
WR999			666	750			666	750					1.172	0.997	1.172	0.997					4-3/4	TBM15I (15620)	R	4				
			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

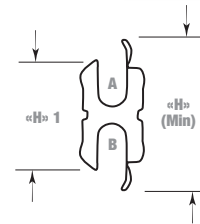
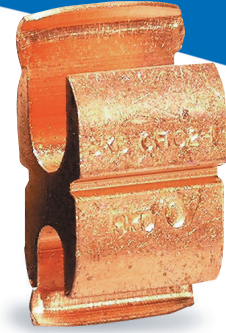


Fig. 1

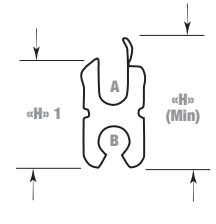


Fig. 2

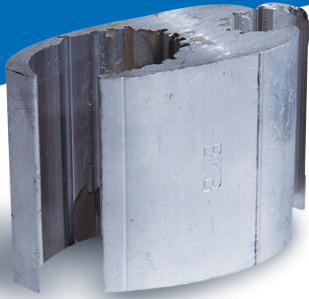
Cat. No.	Figure No.	Conductor Range								Dimensional Information			Installation Information																								
		Standard Conductor*				Diameter (in.)*							Mechanical Tools***		Hydraulic Tools***																						
		Main A		Tap B		Main A		Tap B		H (Min.)	H 1	Connector Length (in.)	OD 58	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	0.373	0.292	0.373	0.292	0.373	0.292	1.540	1.100	7/8	-	-	-	0	0	0	0																	
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	0.419	0.368	1.670	1.269										
CF2020-1	1	-	2/0 1/0	-	0.419	0.368	0.414	0.292	0.414	1.740	1.220	7/8	-	-	-	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	0.528	0.414	1.983	1.423	1-1/8	-	-	-	D**	D**	D**	D**																	
CF4010-1																					1/0 1 2	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.



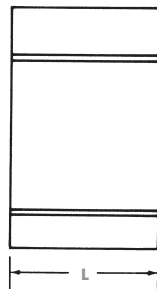


## Compression H-Tap Connectors

### 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



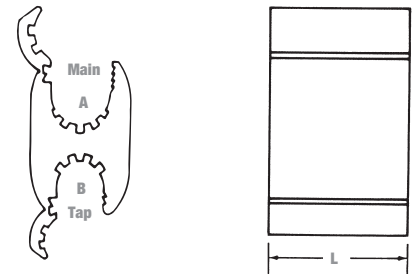
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information				
		Standard Conductor						Compact Conductor							Connector Die	No. Indents			
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool		
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.			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

## 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	
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			1-3/4			
WR199	1/0 1 2 3	1 2	1	2 3 4	1 2 4	1 2	2/0 1/0 1 4	2 1 4	1 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 1 4	2/0 1/0 1 2 4	2/0 1/0 1 2	0.419	0.232	0.419	0.232	1-7/8	4		
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	2
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	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	0.266	0.162	1-7/8	D	4	2	
WR369				6	4	3			266	1															1
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	D	5	2
WR389				2	1	1			266	2															
WR389**	4/0	3/0		1/0	1/0	1/0	266	4/0	1/0	1/0								0.563	0.423	0.3763	0.232	1-7/8	D	5	2
WR389**				2	1	1			266	2															
WR389	4/0	3/0		2/0	3/0	-	266	4/0	3/0	3/0								0.563	0.461	0.376	2-3/16	D	6	2	
WR389**				1/0	2/0	1/0			266	2/0															2/0

\*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

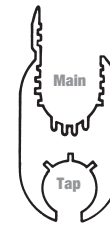
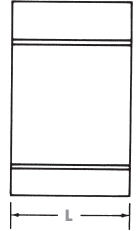


Fig. 1



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.				Min.
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			397	477						1/0	2/0
		350	1	1	1			397	477						1	1
		336	2	2	2			397	394						2	2
		300	3	3	2			336	350						3	3
		266	4	4	3										4	4
WR775	336 266	400	400	400		477	500	3/0	500	0.743	0.743	0.520	3	3		
		397	397	397				397	400						400	
		350	397-18/1	350	-			397	350						397	397
		336	336	336				336	336						336	336
		300	266	300				336	300						300	300
		266	4/0	266				266	300						266	266
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			477	1/0							2/0	
		1	1	1/0			397	1							1/0	
		2	2	2			350	2							2	
		3	3	3			336	3							3	
		4	4	4			266	4							4	
WR835	477-18/1	4/0	4/0	4/0	477	397	266	250	0.858	0.563	0.368	2	3			
		397	3/0	3/0			397	4/0						4/0		
		350	2/0	2/0			350	3/0						3/0		
		336	1/0	1/0			336	2/0						3/0		
		300					397									
		266					350									
WR875**	397 336 266 4/0	477-18/1	350	397	477	397	400	397	0.684	0.520	3	3				
		266	336	300			350	336					350			
		250	300	266			336	300					300			
			266	250			397	266					266			
			250				350	250					250			
							300									
WR885	500 400 397 350 336 300 266 250 4/0	477-18/1	500		477	397	556	556	0.814	0.814	0.814	3	3			
		397	400				397	477						477		
		350	397	397			556	397						397		
		336	336	350			500	336						350		
		300	266	300			400	266						336		
		266	4/0	266			397	300						300		
		250		250			350	266						266		
		4/0		4/0			300	250						250		
							266									
							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

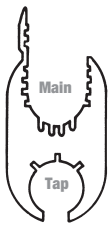


Fig. 1

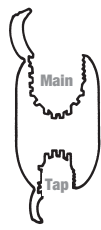


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range										Diameter (in.)				Connector Length L (in.)	Installation Information	
	Standard Conductor*					Compact Conductor					Main		Tap			For Use with Tool	No. of Indents
	Main		Tap			Main		Tap			Max.	Min.	Max.	Min.			
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Tap	Str.	Max.	Min.	Max.	Min.			
WR699			4 6	3 4 6	2 3 4 6			4 6	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
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	2	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	397 350 336			0.684	0.593	3			
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				

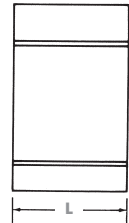
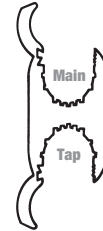
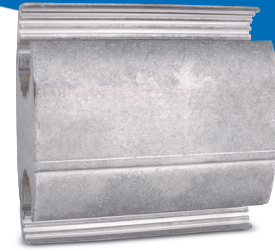
\*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

\*\*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



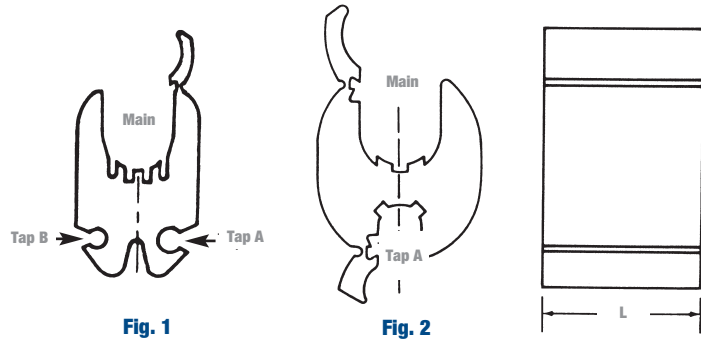
Products on this page are not CSA applicable.

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											
			266	336			336	336																			
		600	4/0	250			266	300																			
		556	3/0	4/0			4/0	266																			
WR929			556-18/1	500			2/0	250					0.893	0.666	0.893	0.666											
		477	400	600			2/0	4/0																			
		397	477	556	636	700	477	556																			
		336	450	550	556	556	550	556																			
WR949			336-18/1	350			397-18/1	397					1.108	0.883	0.684	0.398											
			266	336			336	336																			
			4/0	250			266	300																			
			3/0	4/0			4/0	266																			
WR969			556-18/1	500			3/0	250					1.108	0.883	0.893	0.666											
			397	477			2/0	3/0																			
		900	556	600			3/0	4/0																			
		874	550	550			2/0	3/0																			
WR989			795-26/7	800			397	397					1.108	0.883	1.108	0.883											
			715	800			795	795																			
		666	795	477	954	1000	477	556																			
		636	750	397	874	874	397	477																			
WR999			954-45/7	1033			795	795					1.172	0.997	1.172	0.997											
			900	1000			954	1000																			
		874	900	874	900	900	900	900																			
		795	800	7985	800	900	900	874																			



## 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

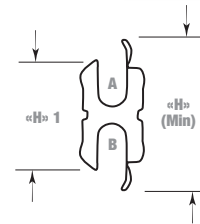
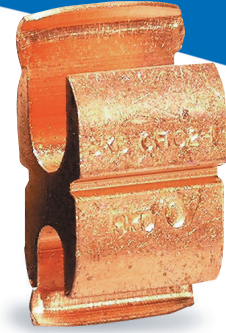


Fig. 1

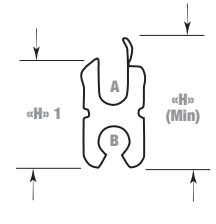


Fig. 2

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	6	8					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	6			0.258		1.017	0.842					HBKC	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	0	0	0	0							
CF1010-1																	1/0 1 2	0.373	0.292	1.610	1.050	0	0	0	0		
CF202-1																	2/0 1/0 1 2	0.419	0.368	0.259	0.204	1.670	1.269	K-C	C	K-C	BK-C
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**	D**							
CF4010-1																	1/0 1 2	0.528	0.414	0.373	0.292	1.992	1.423	D**	D**	D**	D**
CF4040-1																	4/0 3/0 2/0	0.528	0.414	2.252	1.483	D**	D**	D**	D**		

\*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.