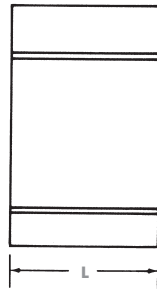
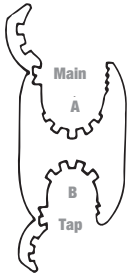


## Compression H-Tap Connectors

### 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



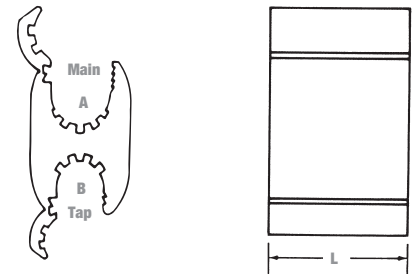
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information					
		Standard Conductor						Compact Conductor							Connector Die	No. Indents				
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool			
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					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									
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	0.398			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			D		
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	4/0		4/0	4/0		4/0	250	266-18/1	266		0.461				2-7/16	7	3	

## Compression H-Tap Connectors

### Type WR — Wide Range Aluminum Tap Connectors

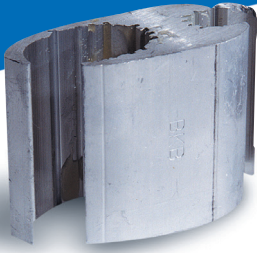
#### Supplemental “O” and “D” Die Seven Connector Program

- 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	0.066	0.332	1-3/4				4	2
WR199	1/0 1 2 3	2/0 1/0 1 2	1 2	2 3 4	1 2 4	1 2	2/0 1/0 1 4	2	2/0 1/0 1 4	2/0 1/0 1 2	0.419	0.232	0.232	0.419						
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	2/0 1/0 1 4	2/0 1/0 1 2	0.419	0.232	0.419	0.232	1-7/8	5	2			
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				D	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	D	5			
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			5	2	
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		1-7/8	5			2
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	1-7/8			5	2	
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		1-7/8	5			2

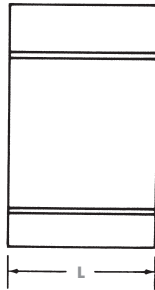
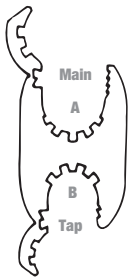


## Compression H-Tap Connectors

### 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.

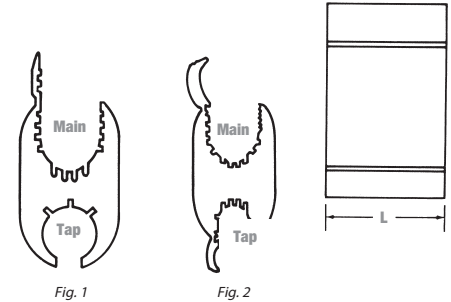
Cat. No.	Conductor Range														Connector Length L (in.)	Installation Information									
	Standard Conductor*						Compact Conductor				Diameter (in.)					Connector Die	No. Indents								
	Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool							
	ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	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
WR389**	4/0	3/0	1	1/0	1/0	266	4/0	1/0	1/0	0.563	0.423	0.336	2-3/16	D	6	2									
WR389**			1	1/0	1/0			266	2/0								2/0	0.423	0.336	2-3/16	6	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



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						
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						
WR815	556 500	2/0	2/0	3/0	556	250	2/0	3/0	0.520	0.447	0.162	2	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							
WR835	477-18/1	400	4/0	4/0	4/0	477	250	2/0	250	0.858	0.563	0.368	3	3	
		397	3/0	3/0	3/0			3/0	3/0						
		350	2/0	2/0	2/0			2/0	2/0						
		336	1/0	1/0	1/0			1/0	1/0						
		300													
		266													
WR875**	397 336 266 4/0	477-18/1	350	397	477	250	400	400	0.684	0.520	3	3			
		266	336	366			350	350							
		250	300				336	336							
			266				266	266							
			250				250	250							
WR885	500 400 397 350 336 300 266 250 4/0	477-18/1	500		477	250	556	556	0.814	0.814					
		397	400				477	477							
		350	397				397	397							
		336	350				336	350							
		300	300				300	336							
		266	266				266	300							
		250	250				266	266							
		4/0	4/0				250	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

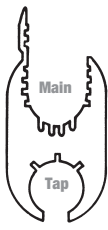


Fig. 1

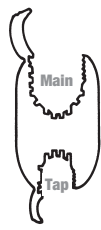
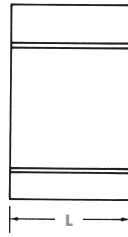


Fig. 2



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	Str.	Max.	Min.	Max.	Min.				
<b>WR699</b>			4 6	3 4 6	2 3 4 6			4 6	2 3 4 6			0.266	0.162				
<b>WR719</b>	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	
<b>WR739</b>			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				
<b>WR779</b>			397-18/1 336 266	400 397 350 336 266 250	477 397			477 397 336	0.743			0.570	3				3
<b>WR799</b>	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	
<b>WR819</b>	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				
<b>WR839</b>			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				
<b>WR879**</b>			336-18/1 266	350 336 300 266	397			397 336	0.684			0.593					
<b>WR889</b>		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	

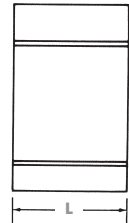
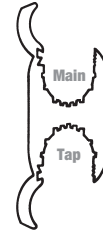
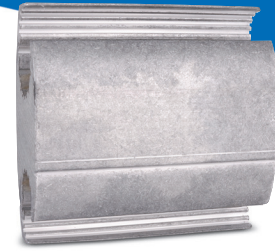
\*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

\*\*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



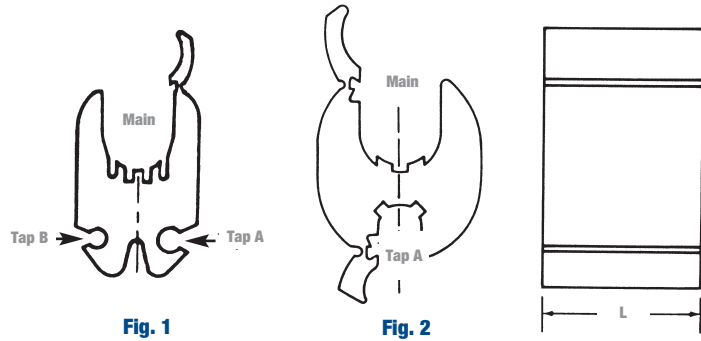
Products on this page are not CSA applicable.

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	556	556		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				397																				
		874	556	556				450																				
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	874	556																				
		636	750	400	874	874	477	477																				
WR999			300	397			397	450					1.172	0.997	1.172	0.997									4-3/4	TBM15I (15620)	R	4
			350	336				450																				
		477-30/7	636	600				450																				
		600	900	900				450																				
WR999			795-26/7	874			954	1000					1.172	0.997	1.172	0.997	4-3/4	TBM15I (15620)	R	4								
			715	800			874	954																				
			666	795			795	795																				
		636	750	715				750																				
WR999			477-30/7	636				750					1.172	0.997	1.172	0.997					4-3/4	TBM15I (15620)	R	4				
			600	600				750																				
		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																				
			715	795				900																				
		666	750	666	750	900	900	874	900																			



## 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

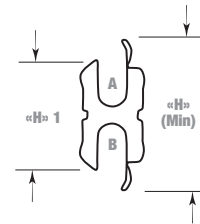
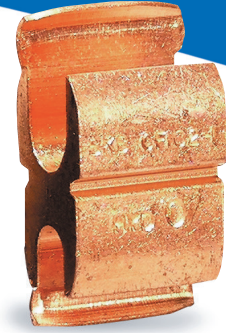


Fig. 1

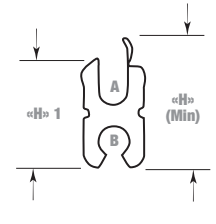


Fig. 2

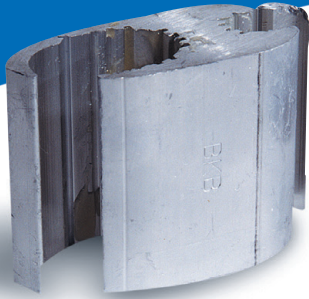
Cat. No.	Figure No.	Conductor Range								Dimensional Information			Installation Information							
		Standard Conductor*				Diameter (in.)*							Mechanical Tools***			Hydraulic Tools***				
		Main A		Tap B		Main A		Tap B		H (Min.)	H 1	Connector Length (in.)							OD 58	Type 0
		ACSR	Str.	Sol.	Str.	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	0.373	0.292			1.540	1.100	7/8	-	-	-	0	0	0	0	0
CF1010-1				1/0 1 2						1.610	1.050									
CF202-1				2/0 1/0 1 2	-	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					0.414	0.292	1.740	1.220									
CF402-1	1	-	4/0 3/0 2/0	2	4	0.528	0.414			1.983	1.423	1-1/8								
CF4010-1				1/0 1 2					0.373	0.292										
CF4040-1				4/0 3/0 2/0	-	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.



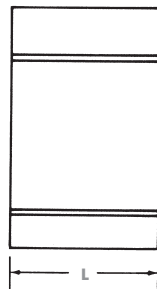
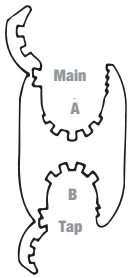


## Compression H-Tap Connectors

### 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



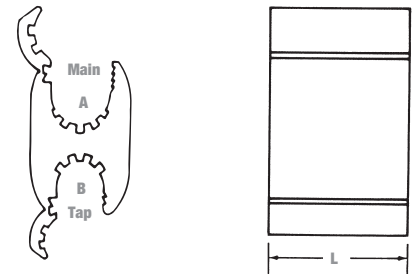
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information						
		Standard Conductor						Compact Conductor							Connector Die	No. Indents					
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool				
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					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		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

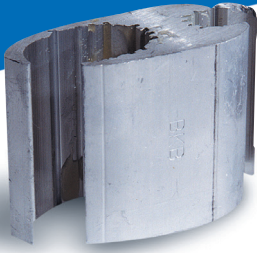
#### Supplemental “O” and “D” Die Seven Connector Program

- 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.	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	1/0 1 2	1	2 3 4	1 2 4		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 2 3 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				

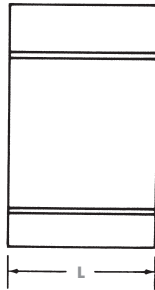
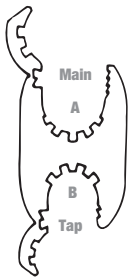


## Compression H-Tap Connectors

### 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	2/0	1/0	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			266	1															1	1	1	1	0.374	0.266		
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	D	5	2			
WR389				2	1	1			266	2																				1	1	1
WR389**	4/0	3/0		1/0	1/0	1/0	266	4/0	1/0	1/0								0.563	0.461	0.376					2-3/16					D	6	2
WR389**				2	3/0	3/0			266	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

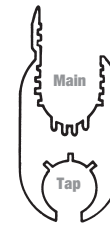
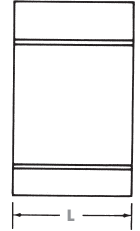


Fig. 1



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

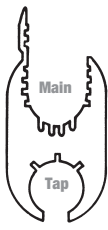


Fig. 1

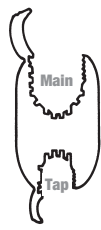
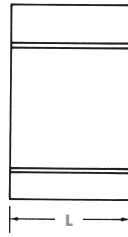


Fig. 2



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		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	

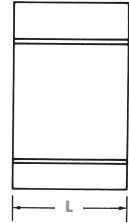
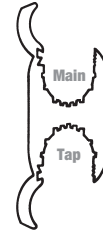
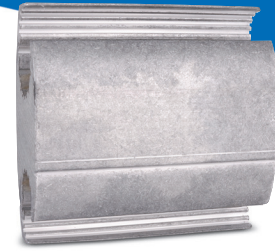
\*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

\*\*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



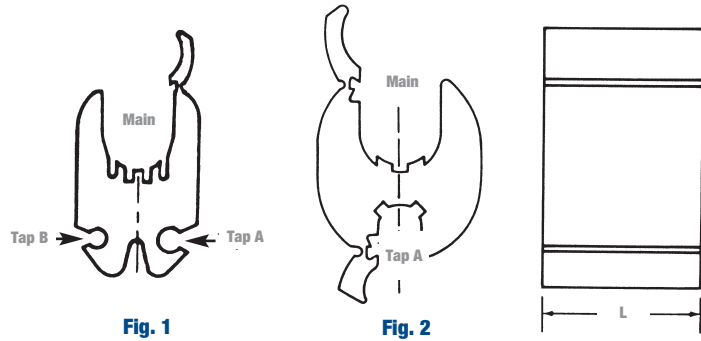
Products on this page are not CSA applicable.

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	556-18/1	600			700																				
		874	800	477	477	954	1000	636	700																			
WR989			397	450			556	556					1.108	0.883	1.108	0.883					4-3/4	TBM15I (15620)	R	4				
		606	715	336	400	874	874	477	477																			
		556	700	300	397	795	795	397	450																			
		477-30/7	636	350	336																							
WR999			900	600			900	600					1.172	0.997	1.172	0.997									4-3/4	TBM15I (15620)	R	4
			795-26/7	874				1000																				
		954-45/7	1033	715	800			954	954																			
		900	1000	666	795			874	874																			
WR999			605	715			795	795					1.172	0.997	1.172	0.997	4-3/4	TBM15I (15620)	R	4								
			556	700				750																				
		954-45/7	1033	477-30/7	636																							
		900	1000	600	600																							
WR999			900	1000			954	1000					1.172	0.997	1.172	0.997					4-3/4	TBM15I (15620)	R	4				
			900	900			900	900																				
		874	900	874	900	954	1000	900	900																			
		795	800	7985	800	900	900	874	900																			
WR999			715	795									1.172	0.997	1.172	0.997									4-3/4	TBM15I (15620)	R	4
			666	750																								
		954-45/7	1033	666	750																							
		900	1000	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

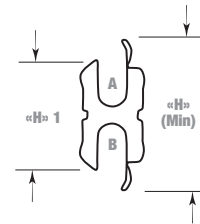
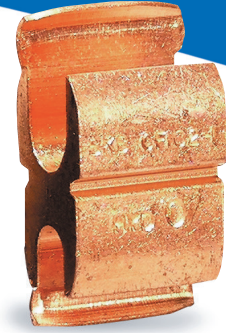


Fig. 1

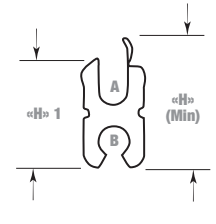


Fig. 2

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	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	C	K-C	BK-C																	
CF1010-1																				1/0 1 2																
CF202-1																				2/0 1/0 1 2	-	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																
CF4040-1																				4/0 3/0 2/0	-	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.