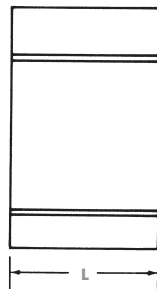


Compression H-Tap Connectors

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



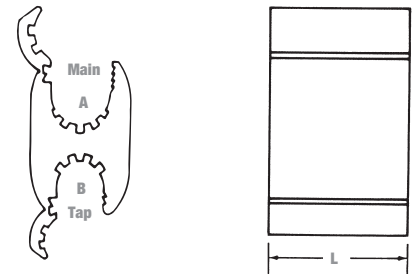
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information						
		Standard Conductor						Compact Conductor							Connector Die	No. Indents					
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool				
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					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		0.563	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				0.447	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	
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			4
WR199	1/0 1 2 3	1/0 1 2	1	2 3 4	1 2 4	1 2	2/0 1/0 1 4	2	1 2 4	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		
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	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			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

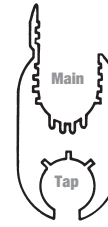


Fig. 1

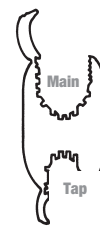
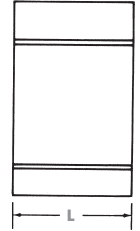


Fig. 2



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		Main		Tap				
ACSR	Str.	ACSR	Str.		ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.				
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	397	266	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	397	400	397	0.684	0.520	3	3				
		266	336	350			350	350								
		250	300	366			336	336								
			266				266	266								
			250				250	250								
WR885	500 400 397 350 336 300 266 250 4/0	477-18/1	500		477	397	556	556	0.814	0.814	3	3				
		397	400				556	477								
		350	397				477	397								
		336	350				394	350								
		300	300				336	336								
		266	266				266	266								
		250	250				250	250								
		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

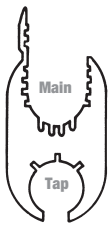


Fig. 1

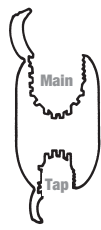


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range											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	477 397 336			0.743	0.570		
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	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		

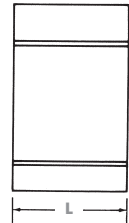
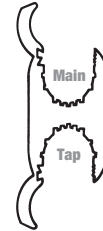
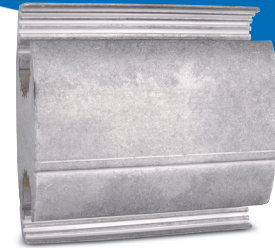
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**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



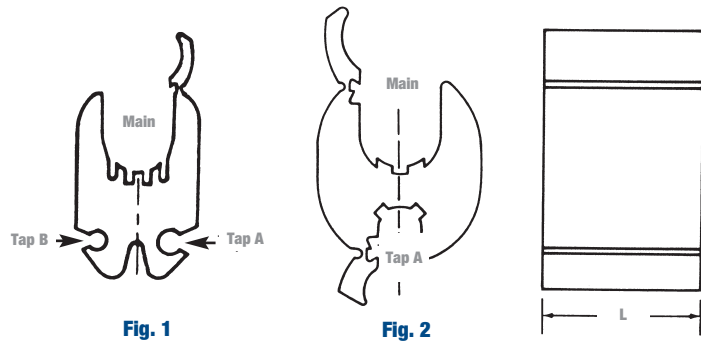
Products on this page are not CSA applicable.

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	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	2/0			2/0	4/0																	
	477	400		600	636	700	4/0																	
	397	477		556	556	556	3/0																	
	336	450		477	500	450	2/0																	
	300	400	556-18/1	500	397	477																		
WR929			477	600			636	700					0.893	0.666	0.893	0.666					4-3/4	TBM15I (15620)	R	4
			397	556			556	636																
		336	450	477	556	556	450	556																
		300	400	397	400	397	450	477																
			300	397			397	450																
			350	450			556	556																
			336	400			477	477																
			397	350			397	450																
			336	336			450	450																
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			250																	
			1/0	2/0			3/0	4/0																
				2/0			2/0	3/0																
WR969				600									1.108	0.883	0.893	0.666					4-3/4	TBM15I (15620)	R	4
				556																				
		795-26/7	900	477	954	1000	636	700																
		715	800	500	874	874	556	363																
	666	795	397	477	795	477	556																	
	636	750	300	400	795	397	477																	
	606	715	300	397			477																	
	556	700		350			450																	
	477-30/7	636		336																				
	600	600		600																				
WR989			795-26/7	874									1.108	0.883	1.108	0.883	4-3/4	TBM15I (15620)	R	4				
			715	800			954	1000																
			666	795			874	874																
			636	750			795	795																
		605	715				750																	
		556	700																					
		477-30/7	636																					
		600	600																					
WR999			954-45/7	1033									1.172	0.997	1.172	0.997					4-3/4	TBM15I (15620)	R	4
			900	1000			954	1000																
			874	900	954	1000	900	900																
			795	800	900	900	874	900																
		715	795	795																				
		666	750	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

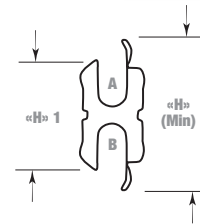
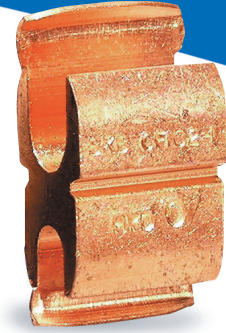


Fig. 1

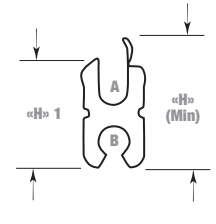


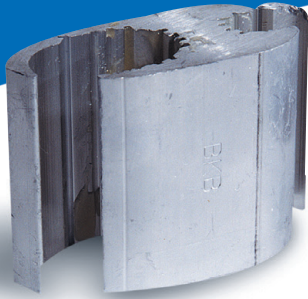
Fig. 2

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											
CF102-1	1	-	1/0 1 2	2 4 6	0.373	0.292	0.373	0.292	1.610	1.050	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	0.259	0.204	1.670	1.269	K-C	C
CF2020-1	1	-	2/0 1/0	-	0.419	0.368	0.414	0.292	1.740	1.220	1.740	1.220	-	-	-														
CF402-1	1	-	4/0 3/0 2/0	2 4	0.528	0.414	0.373	0.292	1.992	1.423	1.983	0.204	1.983	1.483	1-1/8	-	-	-	D**	D**	D**	D**							
CF4010-1																							1/0 1 2	0.528	0.414	0.373	0.292	1.992	1.423
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.

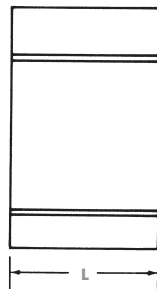


Compression H-Tap Connectors

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



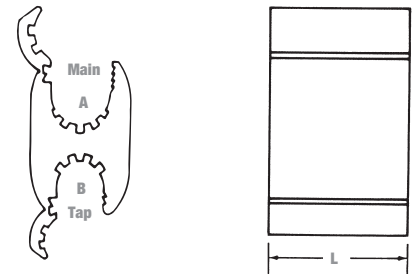
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information							
		Standard Conductor						Compact Conductor							Connector Die	No. Indents						
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool					
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.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

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	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 4		1/0 1 2	2/0 1/0 1 4	1 2 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	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	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

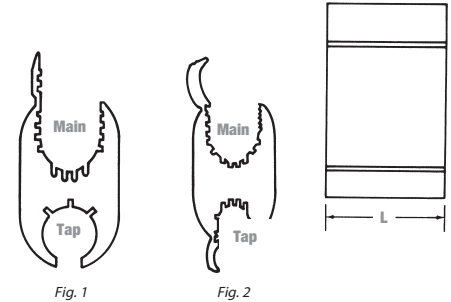
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**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



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	500	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	2/0						
		300													
		266													
250															
WR875**	397 336 266 4/0	477-18/1	350	397	477	556	400	397	0.684	0.520	3	3	3		
		266	336	350			397	350							
		250	300	366			336	336							
			266				397	300							
			250				350	266							
							336	250							
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	3		
		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

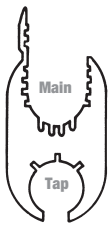


Fig. 1

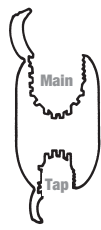


Fig. 2



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	477 397 336			0.743	0.570		
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	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		

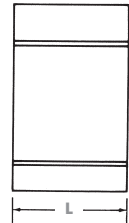
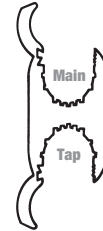
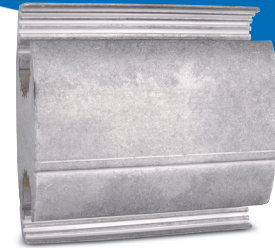
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**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



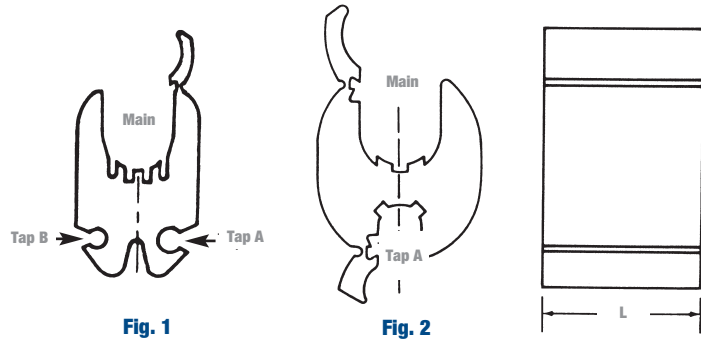
Products on this page are not CSA applicable.

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	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			556-18/1	500			2/0	250					0.893	0.666	0.893	0.666					4-3/4	TBM15I (15620)	R	4				
			477	400			2/0	4/0																				
		477	477	600			2/0	4/0																				
		397	450	556			2/0	3/0																				
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			18/1	350																				
			4/0	250			336	300																				
			3/0	4/0			266	266																				
WR969			556-18/1	500			397-2/0	397					1.108	0.883	0.893	0.666	4-3/4	TBM15I (15620)	R	4								
			477	600			2/0	4/0																				
		900	397	477			3/0	250																				
		874	300	400			4/0	450																				
WR989			795-26/7	874			954-795	954					1.108	0.883	1.108	0.883					4-3/4	TBM15I (15620)	R	4				
			715	800			795	795																				
		666	795	795			795	795																				
		636	750	715			795	750																				
WR999			954-45/7	1033			954-900	900					1.172	0.997	1.172	0.997									4-3/4	TBM15I (15620)	R	4
			900	900			874	900																				
		1033	874	900			900	900																				
		900	795	795			900	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

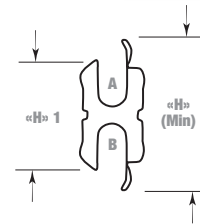
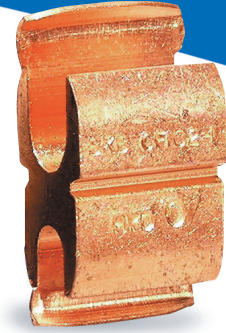


Fig. 1

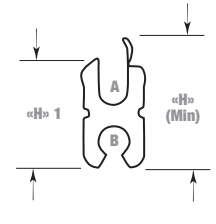


Fig. 2

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	-	-	-	K-C	0	0	0	0
CF1010-1				1/0 1 2					0.373	0.292	1.610						1.050	0	0	0
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			0.259	0.204	1.983	1-1/8	-	-	-	D**	D**	D**	D**
CF4010-1				1/0 1 2					0.373	0.292	1.992	1.423								
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.