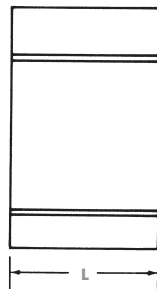


Compression H-Tap Connectors

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



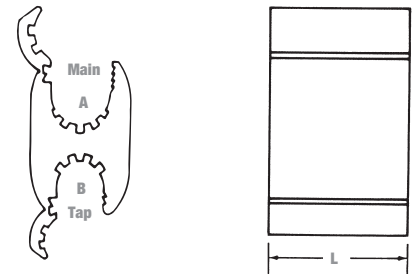
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information						
		Standard Conductor						Compact Conductor							Connector Die	No. Indents					
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool				
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					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	4/0		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.				
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 3 4		1/0 1 2	2/0 1/0 1 4	1 2 3 4	1 2	0.419	0.232	0.419	0.232	1-3/4	4	
WR1010	1/0 1 2 3 4	2/0 1/0 1 2 4	1 2	1/0 1 2 3 4	2/0 1/0 1 2 3 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			2/0	2/0								3/0	2/0	2/0	2/0	0.447	0.336	2-1/8
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														
WR369**	4/0	3/0		1	1/0	1	266	4/0	266	1/0								0.63	0.423	0.3763	0.232	D	5	2
WR389				2	1	1			250	2														
WR389**	4/0	3/0		2	3/0	1	266	4/0	266	3/0								0.563	0.461	0.376	2-3/16	D	6	2
WR389**				4	2/0	2			250	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

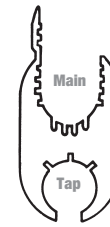
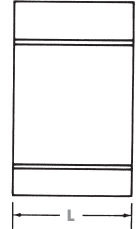


Fig. 1



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						
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	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							
WR835	477-18/1	400	4/0	4/0	4/0	477	500	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													
WR875**	397 336 266 4/0	477-18/1	350	397	477	500	400	397	0.684	0.520	3	3			
		266	336	300			350	336					336		
		250	266	266			300	266					266		
			250	366			350	300					250		
							336	266					250		
							300	300					250		
WR885	500 400 397 350 336 300 266 250 4/0	477-18/1	500		477	500	556	556	0.814	0.814	0.520	3	3		
		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

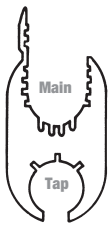


Fig. 1

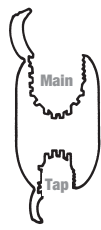


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range											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

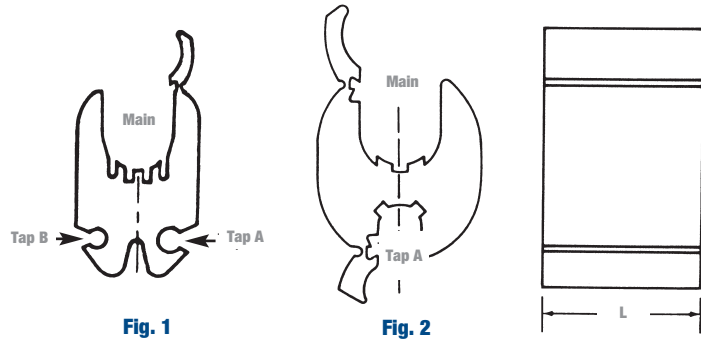
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**Not reversible (Fig. 2).



Compression H-Tap Connectors

Type WR — 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	-					0.563	0.461									
WR502*		4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0	-					0.365	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

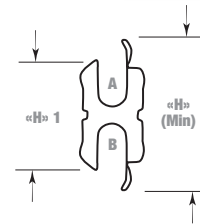
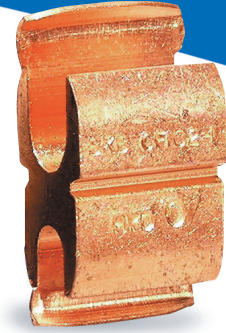


Fig. 1

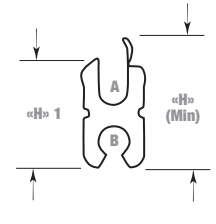


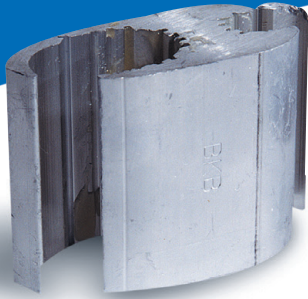
Fig. 2

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	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	4	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
CF1010-1				1/0 1 2					0.373	0.292	1.610								
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	-	1/0 1 2				0.414	0.292	1.740	1.220						K-C	C	K-C	BK-C
CF402-1	1	-	4/0 3/0 2/0	2	4	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	-	4/0 3/0 2/0		0.528	0.414	2.252	1.483								

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

**Blackburn "D" dies.

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

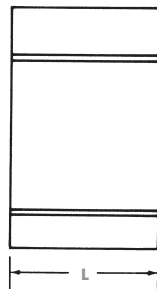


Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

“O” and “D” Die Seven Connector Program

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



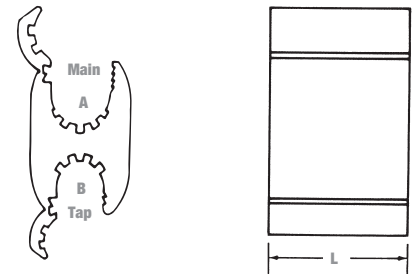
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information						
		Standard Conductor						Compact Conductor							Connector Die	No. Indents					
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool				
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.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

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

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

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



Products on this page are not CSA applicable.

Cat. No.	Conductor Range														Connector Length L (in.)	Installation Information		
	Standard Conductor						Compact Conductor				Diameter (in.)					Connector Die	No. Indents	
	Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool
	ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.				
WR149	4 4 6	3 4 6	2 3 4 6		3 4 6	2 3 6	4 6	2 3 6	3 4 6	2 3 6	0.266	0.162	0.266	0.162	1-1/2	0	5	2
WR179	1/0 1 2 3	1/0 1 2	1	4 6	3 4 6	4 6	1/0 1 2		4 6	4 6	0.398	0.266	0.066	0.332	1-3/4			
WR199	1/0 1 2 3	1/0 1 2	1	2 3 4	1 2 3 4	1 2	2/0 1/0 1 4	2	1 2 3 4	1 2	0.419	0.232	0.232	0.419	1-3/4			
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 3 4	1 2	2/0 1/0 1 2 3 4	2	2/0 1/0 1 2 3 4	2/0 1/0 1 2	0.419	0.232	0.419	0.232	1-7/8	D	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				
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			
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			
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			
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			
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			



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																			1
WR369**	4/0	3/0		1	1/0	1/0	266	4/0	266	1/0								0.63	0.423	0.3763	0.232	1-7/8	D	5	2
WR389				2	2	1			250	2															
WR389**	4/0	3/0		2	3/0	3/0	266	4/0	250	3/0								0.563	0.423	0.336	2-3/16	D	6	2	
WR389**				1	2/0	1/0			4/0	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

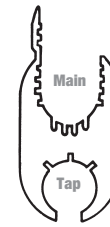
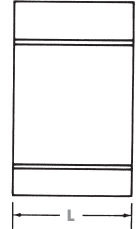


Fig. 1



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.			
ACSR	Str.	ACSR	Str.		ACSR	Str.	ACSR	Str.							
WR715	397-18/1	400	2/0	2/0	3/0	477	500	2/0	3/0	0.753	0.447	0.162	2	2	
		397	1/0	1/0	2/0			1/0	2/0						
		350	1	1	1			1	1						
		336	2	2	2			2	2						
		300	3	3	3			3	3						
		266	4	4	4			4	4						
250	6	6	6	6	6										
WR775	336 266	400	400	400		477	500	3/0	500	0.743	0.743	0.520	3	3	
		397	397	397				400	400						
		350	397-18/1	350	-			397	397						
		336	336	336				336	336						
		300	266	300				300	300						
		266	4/0	266				266	266						
250		250		250	250										
4/0		4/0		4/0	250										
WR815	556 500	2/0	2/0	3/0	556	477	2/0	3/0	0.520	0.447	0.162	2	TBM12, JB12B and Y-35	2	
		1/0	1/0	2/0			1/0	2/0							
		1	1	1			1	1							
		2	2	2			2	2							
		3	3	3			3	3							
		4	4	4			4	4							
6	6	6	6	6											
WR835	477-18/1	4/0	4/0	4/0	477	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	0.520	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

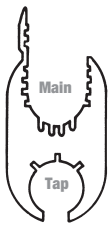


Fig. 1

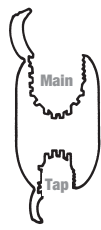


Fig. 2



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	0.743			0.570	3		
WR799	477-18/1 266	500 250	4 6	3 4 6	2 3 4 6	477-18/1 250	500 250	3 4 6	2 3 4 6	0.814	0.575	0.270	0.160	TBM12, JB12B and 13642M	2
WR819	477-18/1 397 336	556 500 477 450 400 397 350 336	2/0 1/0 1 2 3	2/0 1/0 1 2	3/0 2/0 1/0 1	556 477 397	556 477 397	2/0 1/0 1 2	3/0 2/0 1/0 2	0.858	0.659	0.477	0.289		
WR839			4/0 3/0 2/0	4/0 3/0	4/0			266 4/0 3/0	266 250 4/0			0.563	0.477		
WR879**			336-18/1 266	350 336 300 266	397			397 336	0.684			0.593	2	3	
WR889	500 400 397 350 336	477-18/1 397 336	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			

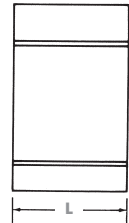
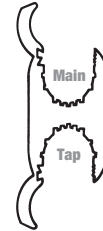
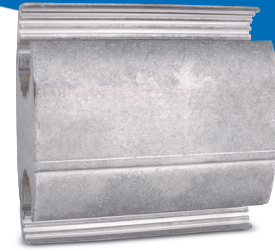
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**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



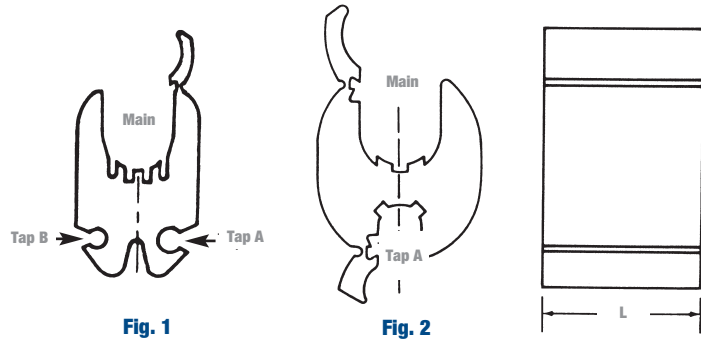
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Cat. No.	Conductor Range											Connector Length L (in.)	Installation Information							
	Standard Conductor				Compact Conductor				Diameter (in.)				For Use with Tool	Connector Die	No. of Indents					
	Main		Tap		Main		Tap		Main		Tap									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

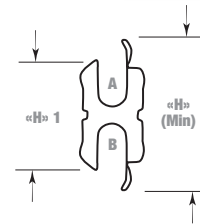
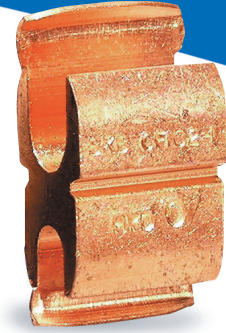


Fig. 1

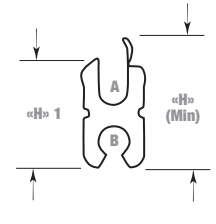


Fig. 2

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	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	4	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	
CF1010-1				1/0 1 2					0.373	0.292	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
CF2020-1	1	-	2/0 1/0			0.414	0.292	1.740	1.220	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			0.259	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	-	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.