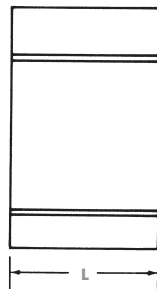


Compression H-Tap Connectors

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



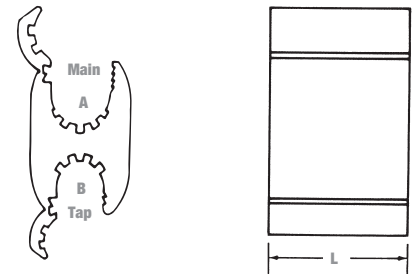
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information						
		Standard Conductor						Compact Conductor							Connector Die	No. Indents					
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool				
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					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	2
WR179	1/0 1 2 3	1/0 1 2	1	4 6	3 4 6	4 6	1/0 1 2		4 6	4 6	0.398	0.266	0.066	0.332	1-3/4			
WR199	1/0 1 2 3	1/0 1 2	1	2 3 4	1 2 3 4		1/0 1 2	2/0 1/0 1 4	1 2 3 4	1 2	0.419	0.232	0.419	0.232	1-3/4	4		
WR1010	1/0 1 2 3 4	2/0 1/0 1 2 4	1 2	1/0 1 2 3 4	2/0 1/0 1 2 4	1 2	2/0 1/0 1 4	2/0 1/0 1 4	2/0 1/0 1 2	2/0 1/0 1 2	0.419	0.232	0.419	0.232	1-7/8	5		
WR259	1/0 1	2/0 1/0		1/0 1	2/0 1/0	-	2/0 1/0	2/0 1/0	2/0 1/0	2/0 1/0	0.326	0.412	0.292	0.162	1-7/8	5		
WR299	2/0 1/0	3/0 2/0		4 6	3 4 6	2 3 6	3/0 2/0	3/0	4 6	2 3 4 6	0.470	0.398	0.266	0.162	1-1/2	4		
WR219	1/0 1	1/0 1		1/0 1 2	1/0 1	-	1/0	2/0 1/0	1/0	2/0 1/0	0.398	0.324	0.398	0.316	1-7/8	D	5	
WR239	2/0 1/0	2/0 1/0	-	2 3 4	1 2 3	1 2	2/0 1/0	4/0 3/0	1 2 3 4	1 2	0.447	0.365	0.332	0.236				
WR229		3/0 2/0		1/0 1 2	1/0 1	-	3/0 2/0		1/0 1	2/0 1/0	0.470		0.398	0.316				
WR269	2/0	2/0		2/0 1/0	2/0 1/0	-	2/0	3/0	2/0 1/0	3/0 2/0 1/0	0.447		0.447	0.336				



Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

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

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



Products on this page are not CSA applicable.

Cat. No.	Conductor Range														Connector Length L (in.)	Installation Information									
	Standard Conductor*						Compact Conductor				Diameter (in.)					Connector Die	No. Indents								
	Main			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	0.461	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			266	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	1/0	2/0			250	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

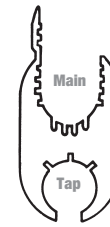
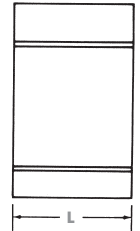


Fig. 1



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.	Sol.	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	397-18/1	400	—	477	500	397	400	0.743	0.743	0.520	3	3	
		350	336	336	397			350	397						
		336	266	300	336			336	300						
		300	4/0	266	266			300	266						
		266	250	250	266			266	250						
		250	4/0	4/0	250			250	250						
WR815	556 500	2/0	2/0	3/0	556	556	2/0	3/0	0.520	0.447	0.162	2	TBM12, JB12B and Y-35	2	
		1/0	1/0	2/0			477	1/0							2/0
		1	1	1			397	1							1/0
		2	2	2			350	2							2
		3	3	3			336	3							3
		4	4	4			266	4							4
6	6	6	250	6	6										
WR835	477-18/1	397	4/0	4/0	4/0	477	556	266	250	0.858	0.563	0.368	2	3	
		350	3/0	3/0	3/0			4/0	4/0						
		336	2/0	2/0	2/0			3/0	3/0						
		300	1/0	1/0	2/0			2/0	2/0						
		266	—	350	397			400	397						
		250	477-18/1	336	350			350	350						
WR875**	397 336 266 4/0	266	477-18/1	300	397	477	500	397	350	0.684	0.684	0.520	3	3	
		250	266	300	336			336	300						
		—	266	266	266			397	266						
		—	250	250	250			350	250						
		—	—	300	300			300	266						
		—	—	266	266			266	250						
WR885	500 400 397 350 336 300 266 250 4/0	477-18/1	500	400	477	556	556	556	0.814	0.814	0.814	3	3		
		397	400	397			477	477							
		350	397	350			397	397							
		336	336	300			394	350							
		300	266	266			336	336							
		266	4/0	250			266	300							
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

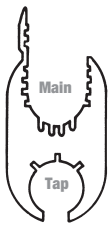


Fig. 1

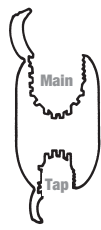


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range										Diameter (in.)				Connector Length L (in.)	Installation Information	
	Standard Conductor*					Compact Conductor					Main		Tap			For Use with Tool	No. of Indents
	Main		Tap			Main		Tap			Max.	Min.	Max.	Min.			
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Tap	Str.							
WR699			4 6	3 4 6	2 3 4 6			4 6	3 4 6			0.266	0.162				
WR719	397-18/1 336 266	400 397 350 336 300 266 250	2/0 1/0 1 2 3	2/0 1/0 1 2	3/0 2/0 1/0 1	477 397 350 336	477 397 350 300	2/0 1/0 1 2	3/0 2/0 1/0 2	0.743	0.570	0.447	0.289	2		2	
WR739			4/0 3/0 2/0 1/0	4/0 3/0 2/0	4/0			266 4/0 3/0	266 250 4/0			0.563	0.398				
WR779			397-18/1 336 266	400 397 350 336 266 250	477 397			477 397 336	477 397 336			0.743	0.570	3		3	
WR799	477-18/1 266	500 250	4 6	3 4 6	2 3 4 6	477-18/1 250	500 250	3 4 6	2 3 4 6	0.814	0.575	0.270	0.160		TBM12, JB12B and 13642M		
WR819			2/0 1/0 1 2 3	2/0 1/0 1 2	3/0 2/0 1/0 1			2/0 1/0 1 2	3/0 2/0 1/0 2	0.858	0.659	0.477	0.289	2		2	
WR839	477-18/1 397 336	556 500 477 450 400 397 350 336	4/0 3/0 2/0	4/0 3/0	4/0	556 477 397	556 477 397	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				

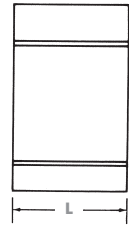
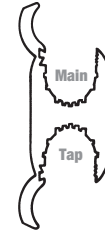
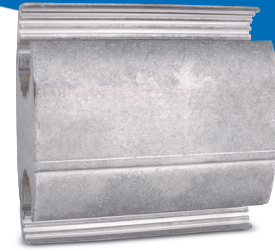
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**Not reversible (Fig. 2).

Compression H-Tap Connectors

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

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



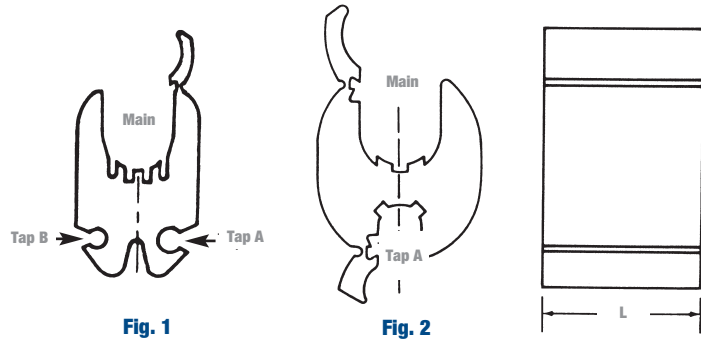
Products on this page are not CSA applicable.

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

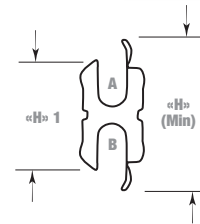
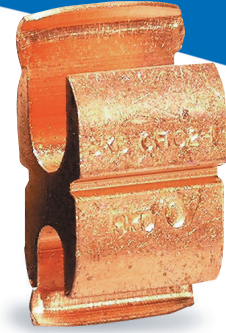


Fig. 1

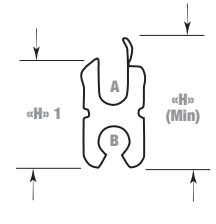


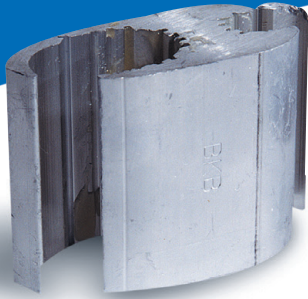
Fig. 2

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	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	0.162	1.540	1.100	7/8	-	-	-	K-C	C	K-C	BK-C							
CF1010-1																				1/0 1 2	0.373	0.292	1.610	1.050		
CF202-1																				2/0 1/0 1 2	0.419	0.368	0.259	0.204	1.670	1.269
CF2020-1	1	-	2/0 1/0	-	0.419	0.368	0.414	0.292	1.740	1.220																
CF402-1	1	-	4/0 3/0 2/0	2 4	0.528	0.414	0.373	0.292	0.259	0.204	1.983	1-1/8	-	-	-	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.

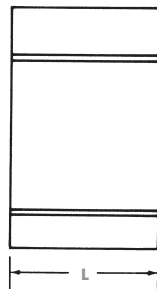


Compression H-Tap Connectors

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



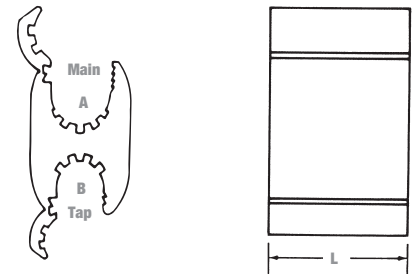
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information						
		Standard Conductor						Compact Conductor							Connector Die	No. Indents					
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool				
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					Max.	Min.		
WR159	1	2	2	2			2	2	2	2			0.332	0.162			1-7/16	0	4		
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			4 6	4 6		0.266			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	0.066	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 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		4		
WR259	1/0 1	2/0 1/0		1/0 1	2/0 1/0	-	2/0 1/0	2/0 1/0	2/0 1/0	2/0 1/0		0.326	0.412	0.292	1-7/8	5		
WR299	2/0 1/0	3/0 2/0		4 6	3 4 6	2 3 6	3/0 2/0	3/0	4 6	3 4 6	0.470	0.398	0.266	0.162	1-1/2	4		
WR219	1/0 1	1/0 1		1/0 1 2	1/0 1	-	1/0	2/0 1/0	1/0	2/0 1/0	0.398	0.324	0.398	0.316	1-7/8	D	5	
WR239	2/0 1/0	2/0 1/0		2 3 4	1 2 3	1 2	2/0 1/0	4/0 3/0	1 2 3 4	1 2	0.447	0.365	0.332	0.236				
WR229		3/0 2/0		1/0 1 2	1/0 1	-	3/0 2/0		1/0 1	2/0 1/0	0.470		0.398	0.316				
WR269	2/0	2/0		2/0 1/0	2/0 1/0	-	2/0	3/0	2/0 1/0	3/0 2/0 1/0	0.447		0.447	0.336				



Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

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

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



Products on this page are not CSA applicable.

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

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

Compression H-Tap Connectors

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

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

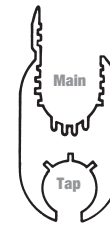
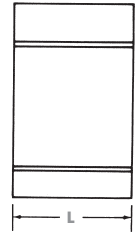


Fig. 1



Fig. 2



Products on this page are not CSA applicable.

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

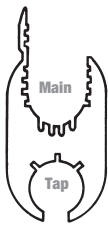


Fig. 1

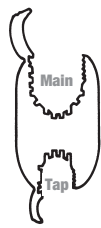


Fig. 2



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.							
WR699			4 6	3 4 6	2 3 4 6			4 6	3 4 6			0.266	0.162				
WR719	397-18/1 336 266	400 397 350 336 300 266 250	2/0 1/0 1 2 3	2/0 1/0 1 2	3/0 2/0 1/0 1	477 397 350 336	477 397 350 300	2/0 1/0 1 2	3/0 2/0 1/0 2	0.743	0.570	0.447	0.289	2		2	
WR739			4/0 3/0 2/0 1/0	4/0 3/0 2/0	4/0			266 4/0 3/0	266 250 4/0			0.563	0.398				
WR779			397-18/1 336 266	400 397 350 336 266 250	477 397			477 397 336	0.743			0.570	3				3
WR799	477-18/1 266	500 250	4 6	3 4 6	2 3 4 6	477-18/1 250	500 250	3 4 6	2 3 4 6	0.814	0.575	0.270	0.160	2	TBM12, JB12B and 13642M		
WR819	477-18/1 397 336	556 500 477 450 400 397 350 336	2/0 1/0 1 2 3	2/0 1/0 1 2	3/0 2/0 1/0 1	556 477 397	556 477 397	2/0 1/0 1 2	3/0 2/0 1/0 2	0.858	0.659	0.477	0.289				
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					

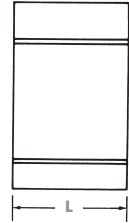
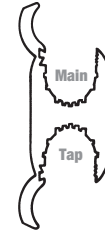
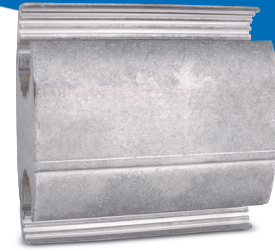
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**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



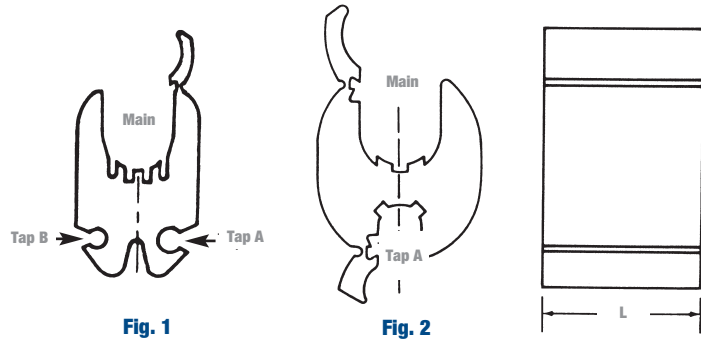
Products on this page are not CSA applicable.

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					4-3/4	TBM15I (15620)	R	4				
			266	336			336	336	0.893	0.666	0.684	0.398								
		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	1/0	2/0			2/0	4/0													
	477	400		600	636	700														
	397	477		556	556	556														
	336	450		477	500	450														
	300	400	556-18/1	500	397	450	636	700												
WR929			477	600																
			397	556																
		336	450	477	550			636	636	0.893	0.666	0.893	0.666							
		300	400	397	450			556	556											
			336	400			397	477												
			300	397			450	450												
WR949			336-18/1	350			397-	397					4-3/4	TBM15I (15620)	R	4				
			266	336			18/1	350												
			4/0	266			336	336	1.108	0.883	0.684	0.398								
			3/0	250			266	300												
		2/0	4/0			4/0	266													
		1/0	3/0			3/0	250													
			2/0	3/0			4/0													
			1/0	2/0			2/0	3/0												
WR969				600																
				556																
		900		550																
		874		500																
	795-26/7	800	556-18/1	477	954	1000	636	700												
	715	795	477	477	874	874	556	556	1.108	0.883	0.893	0.666								
	666	750	397	450	795	795	477	477												
	636	750	336	400			397	450												
	606	715	300	397																
	556	700		350																
	477-30/7	636		336																
	600	600		600																
WR989			795-26/7	874																
			715	800																
		666	666	795				1000												
		636	750	795				954	954	1.108	0.883	1.108	0.883							
	605	715	605	715			795	795												
	556	700	556	700				750												
	477-30/7	636	477-30/7	636																
	600	600		600																
WR999	954-45/7	1033	954-45/7	1033																
	900	1000	900	1000																
	874	900	874	900	954	1000	954	1000	1.172	0.997	1.172	0.997								
	795	800	7985	800	900	900	900	900												
	715	795	715	795																
	666	750	666	750																



Compression H-Tap Connectors

Type WR — Street Lighting Compression Connectors



Products on this page are not CSA applicable.

Cat. No.	Figure No.	Conductor Range												Connector Length L (in.)	Installation Information			
		Standard Conductor						Diameter (in.)							For Use with Tool	No. of Indents		
		Main			Tap A		Tap B		Main		Tap A		Tap B			Mech. Tool	Hyd. Tool	
		ACSR	Str.	Sol.	Str.	Sol.	Str.	Sol.	Max.	Min.	Max.	Min.	Max.					Min.
WR9**	2	3 4 6	2 3 4 6	1 2 3 4	8 10 12 14	8 10 12 14	- -	- -	0.292	0.184	0.146	0.064	- -	- -	13/16	5/8 BG	3	-
WR139	1	1/0 1 2 3 4	2/0 1/0 1 2 3	1 2	8 10 12 14	6 8 10 12 14	-	-	0.419	0.250	0.162	0.100	0.092	0.064	1-1/2	D	4	-
WR502		4/0 3/0	4/0 3/0	-					0.461	0.365								
WR502*		4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0	-					0.563	0.365								

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

Compression H-Tap Connectors

Type CF — Copper Compression Tap Connectors

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

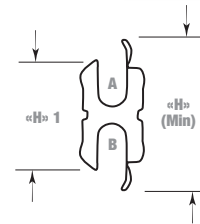
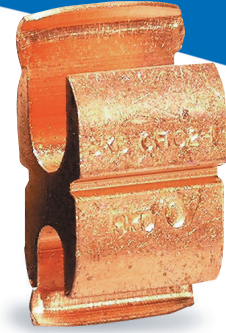


Fig. 1

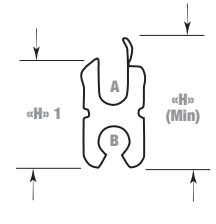


Fig. 2

Cat. No.	Figure No.	Conductor Range								Dimensional Information			Installation Information							
		Standard Conductor*				Diameter (in.)*							Mechanical Tools***		Hydraulic Tools***					
		Main A		Tap B		Main A		Tap B		H (Min.)	H 1	Connector Length (in.)	OD 58	Type 0	MD Series	JB12B	H Series	Y-35	TBM15/Y45/Y46	
ACSR	Str.	Sol.	Str.	Max.	Min.	Max.	Min.													
CF44-1	1	4	6	4	6	0.204	0.162	0.204	0.128	0.971	0.729	13/16	B, T 5/8	B, T 5/8	W-KB W-BG	BKT	B	BKT U-BG	BKT	
CFS44-1	2	4	6	4	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	
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									
CF2020-1					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								
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.