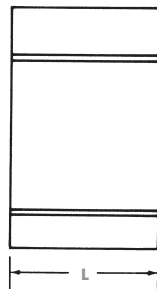


Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

“O” and “D” Die Seven Connector Program

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



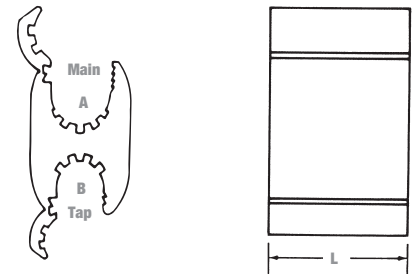
Cat. No.	Connector No.	Conductor Range												Connector Length L (in.)	Installation Information				
		Standard Conductor						Compact Conductor							Connector Die	No. Indents			
		Main			Tap			Main			Tap					Mech. Tool	Hyd. Tool		
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.					Max.	Min.
WR159	1	2	2	2			2	2	2	2		0.332	0.162			1-7/16	0	4	
WR189	2	1/0	2/0	3/0	2	1		2/0	2/0			0.419	0.266	0.332	0.162	1-11/16			
WR289	3	2/0	3/0	4/0				3/0	3/0			0.470	0.398					5	2
WR279	4	1/0	2/0	3/0	2/0	3/0	3/0	2/0	2/0	2/0	2/0	0.336	0.470	0.36		1-13/16			
WR379	5	4/0	4/0		2	1		266-18/1	266			0.475	0.332	0.162					
WR399	6	3/0	4/0		2/0	2/0	3/0	266-18/1	266	2/0	3/0	0.563	0.447	0.338		2-3/16		6	
WR419	7		3/0		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 3 4	1 2	2/0 1/0 1 4	2	1 2 3 4	1 2	0.419	0.232	0.419	0.232				
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	2/0 1/0 1 2 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

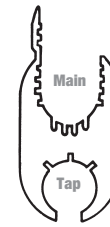
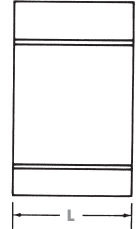


Fig. 1



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		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		266	266										
4/0	4/0	4/0		250	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	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			
		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			
		397	400				477	477							
		350	397				397	397							
		336	350				394	350							
		300	300				336	336							
		266	266				300	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

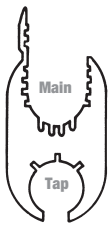


Fig. 1

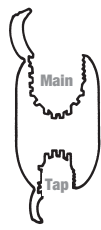


Fig. 2



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	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
WR799	477-18/1 266	500 250	4 6	3 4 6	2 3 4 6	477-18/1 250	500 250	3 4 6	2 3 4 6	0.814	0.575	0.270	0.160	2	TBM12, JB12B and 13642M	2	
WR819	477-18/1 397 336	556 500 477 450 400 397 350 336	2/0 1/0 1 2 3	2/0 1/0 1 2	3/0 2/0 1/0 1	556 477 397	556 477 397	2/0 1/0 1 2	3/0 2/0 1/0 2	0.858	0.659	0.477	0.289				
WR839			4/0 3/0 2/0	4/0 3/0	4/0			266 4/0 3/0	266 250 4/0			0.563	0.477				
WR879**			336-18/1 266	350 336 300 266	397			397 336	397 350 336			0.684	0.593	3			
WR889		500 400 397 350 336	477-18/1 397 336	500 400 397 350 336	—	556 477 397 336	556 477 397 350	556 477 397 336	556 477 397 350	0.814	0.666	0.814	0.666				

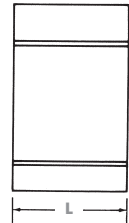
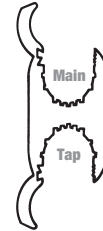
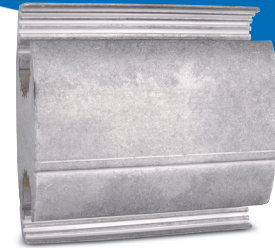
*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**Not reversible (Fig. 2).

Compression H-Tap Connectors

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

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



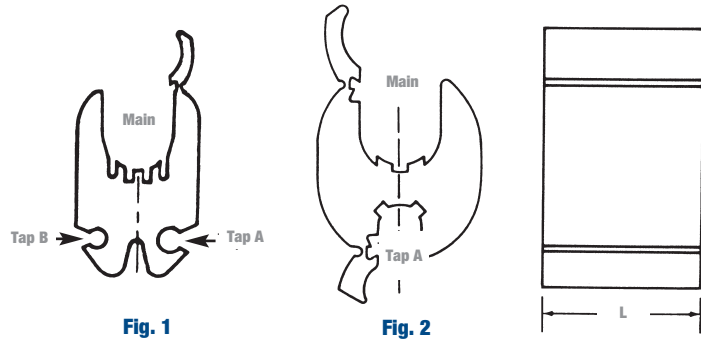
Products on this page are not CSA applicable.

Cat. No.	Conductor Range											Connector Length L (in.)	Installation Information			
	Standard Conductor				Compact Conductor				Diameter (in.)				For Use with Tool	Connector Die	No. of Indents	
	Main		Tap		Main		Tap		Main		Tap					
	ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.					Min.
WR909			336-1/81	350			397-1/2	397					0.893	0.666	0.684	0.398
			266	336			336	336								
		600	4/0	266			266	300								
		556	3/0	250			4/0	266								
WR929			556-18/1	600			700	700					0.893	0.666	0.893	0.666
			477	556			556	556								
		477	4/0	550			477	477								
		336	3/0	450			550	450								
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			700	700					1.108	0.883	0.893	0.666
			477	556			556	556								
		900	3/0	450			477	477								
		874	2/0	400			397	450								
WR989			795-26/7	800			1000	1000					1.108	0.883	1.108	0.883
			715	800			954	954								
		666	7/0	795			874	874								
		636	3/0	715			795	795								
WR999			954-45/7	1033			1000	1000					1.172	0.997	1.172	0.997
			900	1000			954	900								
		1033	8/0	900			900	900								
		874	7/0	800			874	800								



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	-	2				
WR502		4/0 3/0	4/0 3/0	-					8 10	6 8 10										12 14	12 14	0.461	0.365
WR502*		4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0	-					-	-										-	-	-	-

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.
 ** CSA Certified.

Compression H-Tap Connectors

Type CF — Copper Compression Tap Connectors

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

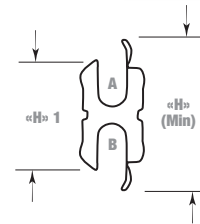
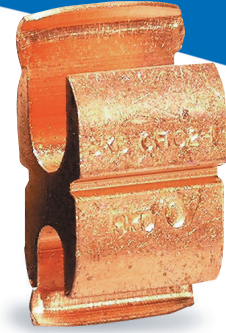


Fig. 1

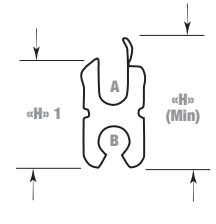


Fig. 2

Cat. No.	Figure No.	Conductor Range								Dimensional Information			Installation Information												
		Standard Conductor*				Diameter (in.)*							Mechanical Tools***		Hydraulic Tools***										
		Main A		Tap B		Main A		Tap B		H (Min.)	H 1	Connector Length (in.)	OD 58	Type 0	MD Series	JB12B	H Series	Y-35	TBM15/Y45/Y46						
		ACSR	Str.	Sol.	Str.	Max.	Min.	Max.	Min.																
CF44-1	1	4	6	4	6	0.204	0.162	0.204	0.128	0.971	0.729	13/16	B, T 5/8	B, T 5/8	W-KB W-BG	BKT	B	BKT U-BG	BKT U-BG						
CFS44-1	2	4	6	6	8					0.864	0.743						BKT								
CF22-1	1	2	4	2	4	0.258	0.204		0.204	1.162	0.813	27/32	K	K	W-KK	-	-	-	BKT						
CFS22-1	2	2	4	2	6			0.258		1.017	0.842					HBKC	BKT	BKT							
CF102-1	1	-	1/0 1 2	2 4 6	4	0.373	0.292	0.373	0.292	1.540	1.100	7/8	-	-	-	K-C	C	K-C	BK-C						
CF1010-1																				1/0 1 2	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
CF2020-1	1	-	2/0 1/0	-	2/0 1/0 1 2	0.419	0.368	0.414	0.292	1.740	1.220	7/8	-	-	-	K-C	C	K-C	BK-C						
CF402-1	1	-	4/0 3/0 2/0	2 4	4	0.528	0.414	0.373	0.292	1.983	1.423	1-1/8	-	-	-	D**	D**	D**	D**						
CF4010-1																				1/0 1 2	0.528	0.414	0.373	0.292	1.992
CF4040-1																				4/0 3/0 2/0	0.528	0.414	2.252	1.483	

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

**Blackburn "D" dies.

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