

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



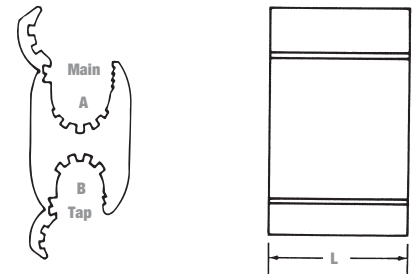
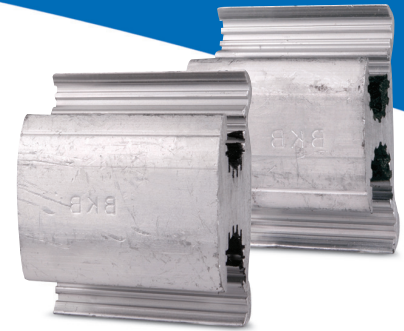
Cat. No.	Connector No.	Conductor Range														Connector Length L (in.)	Installation Information												
		Standard Conductor						Compact Conductor				Diameter (in.)					Connector Die	No. Indents											
		Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool										
		ACSR	Str.	Sol.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

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

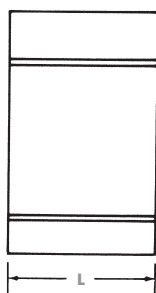
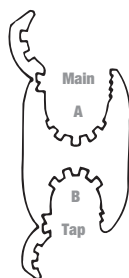
Supplemental “O” and “D” Die Seven Connector Program

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
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- 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 6	3 4 6	2 3 4 6	4 6	3 4 6	2 3 4 6	4 6	2 3 4 6	3 4 6	2 3 4 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		3 4 6	4 6	1/0 1 2	2/0 1/0 1 2	4 6	1 2 3 4	1 2	0.398		0.266	0.332			
WR199	1/0 1 2 3			2 3 4	1 2 3 4				2/0 1/0 1 2				2/0 1/0 1 2	0.066			0.419	
WR1010	1/0 1 2 3 4	2/0 1/0 1 2 3 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	2/0 1/0 1 2 3 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			
WR299	2/0 1/0	3/0 2/0		4 6	3 4 6	2 3 4 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	2/0	3/0 2/0	1/0 1 2	1/0 1	-	3/0 2/0	3/0	1/0 1	2/0 1/0	0.470	0.410	0.398	0.316					
WR269		2/0	2/0 1/0	2/0 1/0		2/0		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 3 4	1 2 3 4	1 2	3/0	4/0	1 2 3 4	1 2	0.502	0.332	0.229	1-7/8	D	5	2	
WR339				2/0 1/0 1	2/0 1/0	-			2/0 1/0	3/0 2/0 1/0			0.447					0.336
WR359	4/0 3/0	4/0 3/0		4 6	3 4 6	2 3 4 6	266 250 4/0	1/0 1 2	1/0 1 2	0.563	0.461	0.266	0.162	1-7/8		4		
WR369				1 2 3 4	1/0 1 2 3	1			0.374			0.266						
WR369**	4/0 3/0 2/0	4/0 3/0		1/0 1 2 3 4	1/0 1 2 3 4	1/0 1 2	266 4/0 3/0	1/0 1 2 3 4	1/0 1 2	0.63	0.423	0.3763	0.232	5				
WR389				2/0 1/0	3/0 2/0	-			0.461			0.376						
WR389**	4/0 3/0 2/0	4/0 3/0		2/0 1/0 1	3/0 2/0 1/0	-	266 250 4/0	3/0 2/0 1/0	3/0 2/0	0.563	0.423	0.470	0.336	2-3/16		6		

*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
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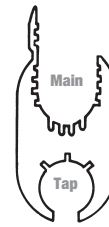


Fig. 1

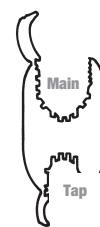
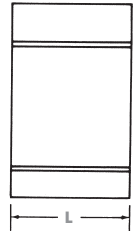


Fig. 2



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			Main		Tap		Main		Tap										
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.									
WR715	397-18/1 336 266	400	2/0	2/0	3/0	477 397 336	500 477 394 350	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	0.753		0.447	0.162	2		2						
		397	1/0	1/0	2/0																	
		350	1	1	1																	
		336	2	2	2																	
		300	3	3	2																	
	266	4	4	3																		
	250	6	6	4	6			6	4													
WR775		400		400		477 397 336 266	500 400 397 350 336 300 266 250	477 397 336 266	500 400 397 336 300 266 250	0.743		0.743	0.520	3		3						
	397		397																			
	350	397-18/1	350																			
	336	336	336	—																		
	300	266	300																			
	266	4/0	266																			
	250		250																			
	4/0		4/0																			
WR815	477-18/1 397 336 266 250	556 500 400 397 350 336 300	2/0	2/0	3/0	556 477 397 350 336 266	556 477 397 350 336 266 250	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	0.520		0.447	0.162	2	TBM12, JB12B and Y-35	2						
			1/0	1/0	2/0																	
			1	1	1																	
			2	2	2																	
			3	3	3																	
		4	4	4																		
		6	6	6																		
WR835			400					556 477 397 350 336 266	266 4/0 3/0 2/0			250 4/0 3/0 3/0	0.858					0.563	0.368			
		397	4/0	4/0	4/0																	
		350	3/0	3/0	3/0																	
	336	2/0	2/0	3/0																		
	300	1/0	1/0	2/0																		
WR875**		266																				
		250	477-18/1	350	397			400														
			266	336	366			397														
			266	300				350														
			4/0	266				266														
				250																		
WR885		500	477-18/1	500			300	556		0.814		0.814	0.520	3		3						
	400			400		266	250	477														
	397			397				397														
	350			350				350														
	336			336				336														
	300			266				300														
	266			4/0				266														
	250							250														
	4/0																					

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

** Not reversible (Fig. 2).



Compression H-Tap Connectors

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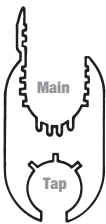


Fig. 1

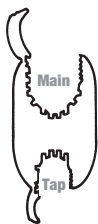


Fig. 2

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.				
WR699	397-18/1 336 266	400 397 350 336 300 266 250	4 6	3 4 6	2 3 4 6	477 397 350 336	477 397 350 300	4 6	2 3 4 6	0.743	0.570	0.266	0.162	2		2		
WR719			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	2/0 1/0 1 2			0.447	0.289					
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				3	
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	477-18/1 400 397 350 336	—			556 477 397 336	556 477 397 350			556 477 397 336	556 477 397 350			0.814	0.666	0.814

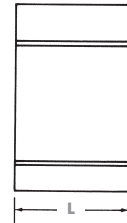
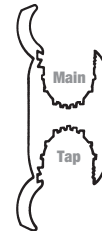
*Will accept conductors of these same wire sizes with a 3 % reduction of diameter (compressed).

**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
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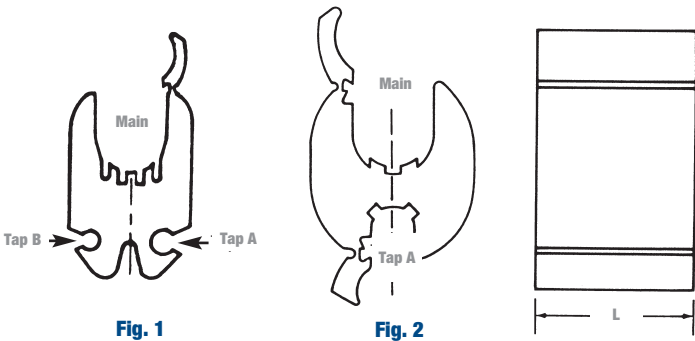
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Cat. No.	Conductor Range												Connector Length L (in.)	Installation Information																				
	Standard Conductor				Compact Conductor				Diameter (in.)					For Use with Tool	Connector Die	No. of Indents																		
	Main		Tap		Main		Tap		Main		Tap																							
	ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.																						
WR909	556-18/1	600	336-1/8/1	350	636	700	397-1/2	397	0.893	0.666	0.684	0.398	4-3/4	TBM15I (15620)	R	4																		
			266	336			336	350									266	336																
			4/0	266			266	300									4/0	266																
			3/0	250			3/0	250									3/0	250																
			2/0	4/0			2/0	4/0									2/0	3/0																
550		2/0	3/0	250		3/0	250	3/0	250	3/0	250	3/0					250																	
500		1/0	2/0	4/0		2/0	4/0	2/0	4/0	2/0	4/0	2/0					4/0																	
477		400	600	556		636	700	636	700	636	700	636					700	636	700															
397		477	556	477		500	450	556	500	0.893	0.666	0.893					0.666	556	500	477	450													
336		450	550	556		556	500	556	500	0.893	0.666	0.893					0.666	477	477	477	450													
300	400	550	556	556	500	556	500	0.893	0.666	0.893	0.666	397					397	397	350															
WR929	556-18/1	397	477	500	636	450	636	700	0.893	0.666	0.893	0.666					4-3/4	TBM15I (15620)	R	4														
			350	477			556	556													556	500	556	500	556	500	556	500	556	500				
			336	477			556	556													556	500	556	500	556	500	556	500	556	500				
			300	477			556	556													556	500	556	500	556	500	556	500	556	500				
			397	477			556	556													556	500	556	500	556	500	556	500	556	500				
WR949		795-26/7	900	336-18/1		350	954	1000	397-18/1	397	1.108	0.883	0.684	0.398	4-3/4	TBM15I (15620)					R	4												
				266		336			336	350													266	336	266	336	266	336	266	336				
				4/0		266			4/0	266													4/0	266	4/0	266	4/0	266	4/0	266				
				3/0		250			3/0	250													3/0	250	3/0	250	3/0	250	3/0	250				
				2/0		4/0			2/0	4/0													2/0	4/0	2/0	4/0	2/0	4/0	2/0	4/0				
WR969	795-26/7		874	556-18/1	600	954		1000	636	700	1.108	0.883	0.893	0.666									4-3/4	TBM15I (15620)	R	4								
				556	556				636	700																	636	700	636	700	636	700	636	700
				477	500				477	500																	477	500	477	500	477	500	477	500
				397	477				397	477																	397	477	397	477	397	477	397	477
				336	450				336	450																	336	450	336	450	336	450	336	450
WR989		795-26/7	715	556-18/1	600		954	1000	636	700	1.108	0.883	1.108	0.883													4-3/4	TBM15I (15620)	R	4				
				556	556				636	700							636	700	636	700											636	700	636	700
				477	500				477	500							477	500	477	500											477	500	477	500
				397	477				397	477							397	477	397	477											397	477	397	477
				336	450				336	450							336	450	336	450											336	450	336	450
WR999	954-45/7		1033	556-18/1	600	954		1000	636	700	1.172	0.997	1.172	0.997			4-3/4	TBM15I (15620)	R	4														
				556	556				636	700					636	700					636	700									636	700	636	700
				477	500				477	500					477	500					477	500									477	500	477	500
				397	477				397	477					397	477					397	477									397	477	397	477
				336	450				336	450					336	450					336	450									336	450	336	450



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 4	1 2	8 10	6 8 10	12 14	12 14	0.419	0.250	0.162	0.100	0.092	0.064	1-1/2	0	4	2	
WR502		4/0 3/0	4/0 3/0	—					0.461	0.563						0.365		D	—
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

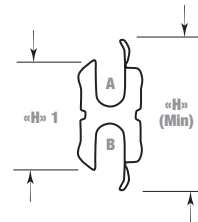
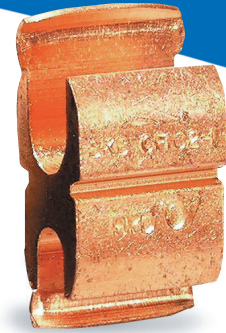


Fig. 1

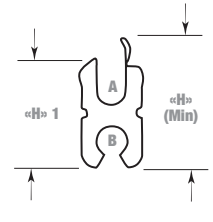


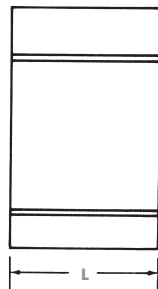
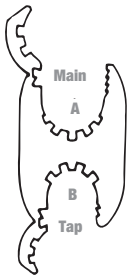
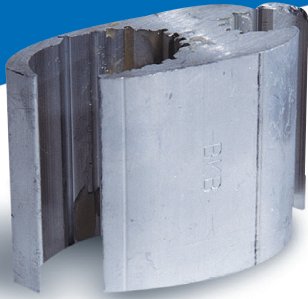
Fig. 2

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	6	4 6 8	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			8	0.864					0.743	BKT									
CF22-1	1	2 4	4	2 4	4	0.258	0.204	0.258	0.204	1.162	0.813		K	K	W-KK	—	—	—	BKT	
CFS22-1	2			2 6	6					1.017	0.842									HBKC
CF102-1	1	—	1/0 1 2	2 4 6	4	0.373	0.292	0.373	0.292	1.540	1.100	27/32	—	—	—	0	0	0	0	
CF1010-1				1/0 1 2	0.373					0.292	1.610									1.050
CF202-1				2/0 1/0	—	2/0 1/0 1 2	0.419	0.368	0.259	0.204	1.670	1.269				7/8	K-C	C	K-C	BK-C
CF2020-1					0.414	0.292	1.740	1.220												
CF402-1				4/0 3/0 2/0	2 4	4	0.528	0.414	0.259	0.204	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	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



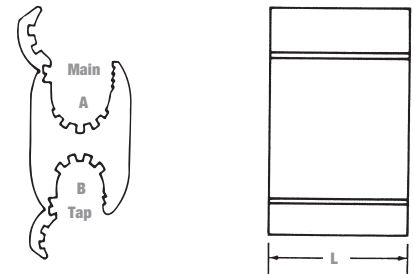
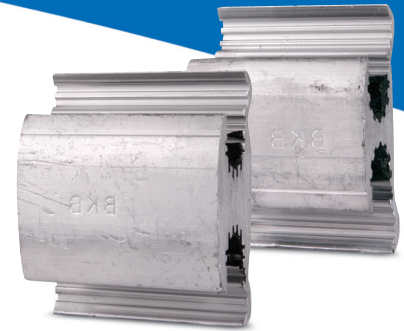
Cat. No.	Connector No.	Conductor Range														Connector Length L (in.)	Installation Information							
		Standard Conductor						Compact Conductor				Diameter (in.)					Connector Die	No. Indents						
		Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool					
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.									
WR159	1	2 3 4 6	1 2 3 4 6	2 3 4 6	2 3 4 6	1 2 3 4 6	2	2 3 4 6	2 3 4 6	2 3 4 6	1 2 3 4 6	0.332	0.162	0.332 0.162	1-7/16	0	4	2						
WR189	2	1/0 1 2 3	2/0 1/0 1 2	3/0 2/0 1/0 1			2 3 4 6	1/0	2/0 1/0 1 2			2/0 1/0 1 2	1 2 3 4 6		0.419		0.266		1-11/16	5				
WR289	3	2/0 1/0	3/0 2/0	4/0 3/0			2/0 1/0 1	3/0 2/0 1/0	3/0 2/0 2/0			3/0 2/0 1/0	30		3/0 2/0 1/0		0.470		0.398	0.470 0.36	1-13/16	D	6	3
WR279	4																		3/0 2/0 1/0					
WR379	5	4/0 3/0	4/0	-	2 3 4 6	1 2 3 4 6	1 2 3 4 6	266-18/1 250 4/0	266 250 4/0	1 2 3 4 6	0.563	0.475	0.332 0.162	0.461 0.563	2-3/16	7	7	3						
WR399	6				2/0 1/0 1	2/0 1/0	3/0 2/0	266-18/1 4/0 3/0	266 250 4/0	2/0 1/0		3/0 2/0 1/0	0.447 0.338		2-7/16									
WR419	7				4/0 3/0	4/0 3/0	-			266-18/1 4/0 3/0		266 250 4/0	266-18/1 4/0 3/0		266 250 4/0				0.461	0.563	0.461	2-7/16		

Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

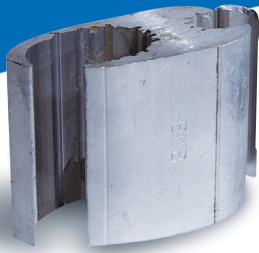
Supplemental “O” and “D” Die Seven Connector Program

- 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 6	3 4 6	2 3 4 6	4 6	3 4 6	2 3 4 6	4 6	2 3 4 6	3 4 6	2 3 4 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		3 4 6	4 6	1/0 1 2	2/0 1/0 1 2	4 6	1 2	0.398	0.266		0.066	0.332			
WR199	1/0 1 2 3			2 3 4	1 2 3 4	2/0 1/0 1 2			1 2				0.419				0.232	
WR1010	1/0 1 2 3 4	2/0 1/0 1 2 3 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	2/0 1/0 1 2 3 4	2/0 1/0 1 2 3 4	0.419	0.326	0.412	0.292	1-7/8	D	5		
WR259	1/0 1	2/0 1/0	-	4 6	3 4 6	2 3 4 6	3/0 2/0	3/0	4 6		2 3 4 6	0.470	0.398	0.266		0.162	1-1/2	
WR299	2/0 1/0	3/0 2/0		1/0 1 2	1/0 1	-	1/0	2/0 1/0	1/0	2/0 1/0	0.398	0.324	0.398	0.316		1-7/8	5	
WR219	1/0 1	1/0 1		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				
WR239	2/0 1/0	2/0 1/0	1/0 1 2	1/0 1	-	3/0 2/0	3/0	1/0 1	2/0 1/0	0.470	0.410	0.398	0.316					
WR229	2/0	3/0 2/0	2/0 1/0	2/0 1/0	-	2/0		2/0 1/0	3/0 2/0 1/0	0.447		0.447	0.336					
WR269		2/0																

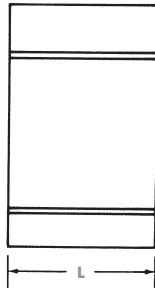
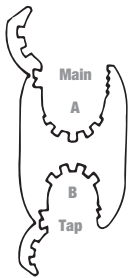


Compression H-Tap Connectors

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.	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			3	2								3
WR359	4/0 3/0	4/0 3/0		4	3	2	266 250 4/0	1/0 1 2	1/0 1 2	0.563	0.461	0.266	0.162	1-7/8		4		
WR369				1	1/0	1						3	2					1
WR369**	4/0 3/0 2/0	4/0 3/0		1/0	1/0	1/0	266 4/0 3/0	266 250 4/0 3/0	1/0 1 2 4	1/0 1 2	0.63	0.423	0.3763	0.232		5		
WR389				2/0 1/0	3/0 2/0	—							266 250 4/0	3/0 2/0				3/0 2/0
WR389**	4/0 3/0 2/0	4/0 3/0 2/0		2/0 1/0 1	3/0 2/0 1/0	—	266 250 4/0	3/0 2/0 1/0	3/0 2/0 1/0	0.563	0.470	0.423	0.336	2-3/16		6		

*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

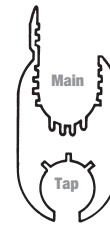


Fig. 1

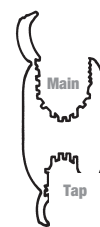
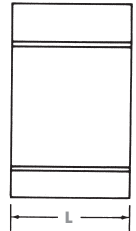


Fig. 2



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			Main		Tap		Main		Tap					
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.				
WR715	397-18/1 336 266	400	2/0	2/0	3/0	477 397 336	500 477 394 350	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	0.753		0.447	0.162	2	TBM12, JB12B and Y-35	2	
		397	1/0	1/0	2/0												
		350	1	1	1												
		336	2	2	2												
		300	3	3	2												
266		4	4	3													
250	6	6	4	6													
WR775	397-18/1 336 266	400		400		477 397 336 266	500 400 397 350 336 300 266 250	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	0.743		0.743	0.520	3			3
		397		397													
		350		350													
		336	397-18/1	336	—												
		300	266	300													
266		4/0	266														
250		250															
WR815	477-18/1 397 336 266 4/0		2/0	2/0	3/0	556 477 397 350 336 266 250	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	0.520	0.858		0.447	0.162	2			2
			1/0	1/0	2/0												
			1	1	1												
			2	2	2												
			3	3	3												
		4	4	4													
WR835	477-18/1 397 336 266 4/0	500	6	6	6	556 477 397 350 336 266	266 4/0 3/0 2/0	250 4/0 3/0 2/0				0.563	0.368				
		400															
		397	4/0	4/0	4/0												
		350	3/0	3/0	3/0												
		336	2/0	2/0	3/0												
300		1/0	1/0	2/0													
WR875**	477-18/1 397 336 266 4/0	266				556 477 397 350 336 266	397 336 266	400 397 350 300 266 250				0.684					
		250															
			477-18/1	350 336 300 266 250	397 366												
WR885		477-18/1 397 336 300 266 250 4/0	500		500		556 477 397 350 336 266	556 477 394 336 266	556 477 350 300 266 250	0.814			0.814	0.520	3		3
	400			400													
	397		477-18/1	397 350 300 266 250 4/0													
	350																
	336		336														

* 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

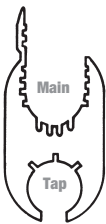


Fig. 1

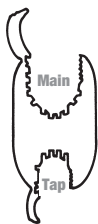
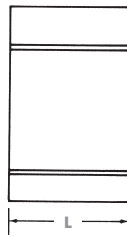


Fig. 2



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.	Max.		Min.			
WR699	397-18/1 336 266	400 397 350 336 300 266 250	4 6	3 4 6	2 3 4 6	477 397 350 336	477 397 350 300	4 6	2 3 4 6	0.743	0.570	0.266	0.162	2	TBM12, JB12B and 13642M	2	
WR719			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	0.447			0.289					
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	2		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	477-18/1 400 397 350 336	—	556 477 397 336	556 477 397 350	556 477 397 336	556 477 397 350	0.814	0.666	0.814	0.666	3			

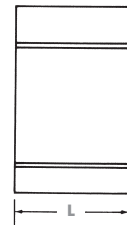
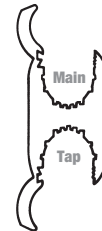
*Will accept conductors of these same wire sizes with a 3 % reduction of diameter (compressed).

**Not reversible (Fig. 2).

Compression H-Tap Connectors

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

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



Products on this page are not CSA applicable.

Cat. No.	Conductor Range												Connector Length L (in.)	Installation Information																				
	Standard Conductor				Compact Conductor				Diameter (in.)					For Use with Tool	Connector Die	No. of Indents																		
	Main		Tap		Main		Tap		Main		Tap																							
	ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.																						
WR909	556-18/1	600	336-1/8/1	350	636	700	397-1/2	397	0.893	0.666	0.684	0.398	4-3/4	TBM15I (15620)	R	4																		
			266	336			336	350									266	336																
			4/0	266			266	300									4/0	266																
			3/0	250			3/0	250									3/0	250																
			2/0	4/0			2/0	4/0									2/0	3/0																
550		2/0	3/0	250		3/0	250	3/0	250	3/0	250	3/0					250																	
500		1/0	2/0	4/0		2/0	4/0	2/0	4/0	2/0	4/0	2/0					4/0																	
477		400	600	556		636	700	636	700	636	700	636					700																	
397		477	556	477		500	450	556	500	556	500	556					500																	
336		450	556	477		500	450	556	477	500	450	556					477																	
WR929	556-18/1	397	556-18/1	550	397	450	636	700	0.893	0.666	0.893	0.666					4-3/4	TBM15I (15620)	R	4														
			477	500			556	500													556	500	556	500	556	500	556	500						
			397	477			477	450													477	450	477	450	477	450	477	450						
			350	397			397	450													397	450	397	450	397	450	397	450						
			336	400			336	400													336	400	336	400	336	400	336	400						
WR949		795-26/7		336-18/1		350	954	1000	397-18/1	397	1.108	0.883									0.684	0.398	4-3/4	TBM15I (15620)	R	4								
				266		336			336	350			266	336																				
				4/0		266			266	300			4/0	266																				
				3/0		250			4/0	250			3/0	250																				
				2/0		4/0			3/0	250			2/0	4/0																				
556	2/0		3/0	250	3/0	250		3/0	250	3/0	250	3/0	250																					
477-30/7	636		350	336	954	874		795	750	636	700	636	700																					
600	600		336	954	874	795		750	636	700	636	700																						
WR969	795-26/7		900	556-18/1	600	954		1000	636	700	1.108	0.883	0.893	0.666	4-3/4	TBM15I (15620)					R	4												
				477	500				556	500																	556	500	556	500	556	500	556	500
		397		477	477		450		477	450																	477	450	477	450	477	450		
		336		400	336		400		336	400							336	400	336	400							336	400						
		300		397	300		397		300	397							300	397	300	397							300	397						
WR989		795-26/7		795-26/7	900		954	1000	954	1000	1.108	0.883	1.108	0.883			4-3/4	TBM15I (15620)	R	4														
				715	800				874	800																	874	800	874	800	874	800	874	800
				666	795				666	795																	666	795	666	795	666	795	666	795
				636	750				636	750													636	750	636	750	636	750	636	750				
				606	715				605	715													605	715	605	715	605	715	605	715				
WR999	954-45/7		1033	954-45/7	1033	954		1000	954	1000	1.172	0.997	1.172	0.997									4-3/4	TBM15I (15620)	R	4								
				900	1000				900	1000																	900	1000	900	1000	900	1000	900	1000
				874	900				874	900																	874	900	874	900	874	900	874	900
				795	800				795	800																	795	800	795	800	795	800	795	800
				715	795				715	795																	715	795	715	795	715	795	715	795



Compression H-Tap Connectors

Type WR — Street Lighting Compression Connectors

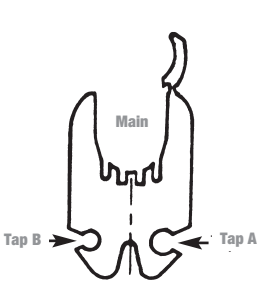


Fig. 1

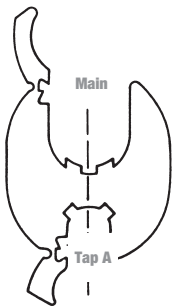
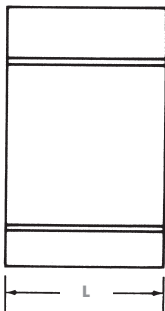


Fig. 2



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 4	1 2	8 10	6 8 10	12 14	12 14	0.419	0.250	0.162	0.100	0.092	0.064	1-1/2	0	4	2	
WR502		4/0 3/0	4/0 3/0	—					0.461	0.563						0.365		D	—
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

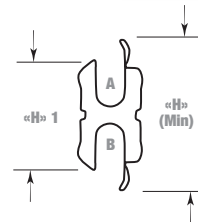
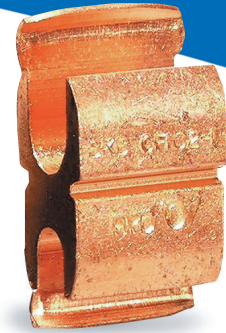


Fig. 1

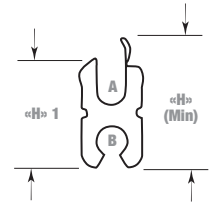


Fig. 2

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	6	4 6 8	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			8	0.864					0.743	BKT											
CF22-1	1	2 4	4	2 4	4	0.258	0.204	0.258	0.204	1.162	0.813						K	K	W-KK	—	—	—
CFS22-1	2			2 6	6					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	27/32	—	—	—	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						7/8	K-C	C			
CF2020-1				—	0.414	0.292	1.740	1.220														
CF402-1				CF4010-1	4/0 3/0 2/0	2 4 —	2 4	4	0.528	0.414	0.259	0.204				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	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.