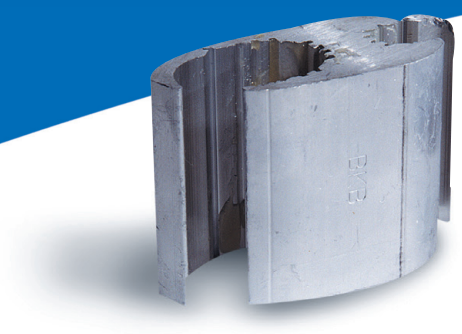
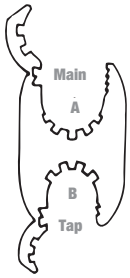


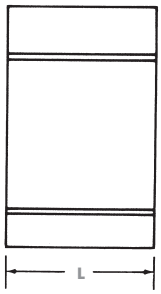
Compression H-Tap Connectors

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





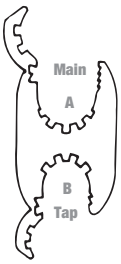
Cat. No.	Connector No.	Conductor Range										Connector Length L (in.)	Installation Information		
		Standard Conductor						Compact Conductor				Diameter (in.)					Connector Die	No. Indents	
		Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.				
WR159	1	2 3 4 6	1 2 3 4 6	2 3 4 6			2 3 4 6	2 3 4 6	1 2 3 4 6	2 3 4 6		0.332	0.162			1-7/16		4	
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 2 3 4 6	1/0 1 2 3 4 6	2/0 1/0 1 2	2/0 1/0 1 2	1 2 3 4 6	1 2 3 4 6	0.419	0.266	0.332	0.162	1-11/16	0		
WR289	3	2/0 1/0	3/0 2/0	4/0 3/0				3/0 2/0	30			0.470	0.398			1-13/16	D	5	2
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	3/0 2/0 1/0	3/0 2/0 1/0	3/0 2/0 1/0	3/0 2/0 1/0		0.336	0.470	0.36				
WR379	5	4/0 3/0	4/0	–	2 3 4 6	1 2 3 4 6	1/0 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				
WR399	6		4/0 3/0		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		0.461	0.447	0.338	2-3/16		6	
WR419	7				4/0 3/0	4/0 3/0	–			266-18/1 4/0 3/0	266 250 4/0			0.563	0.461	2-7/16		7	3

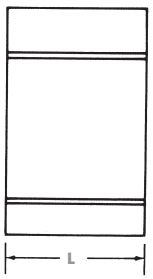
Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

Supplemental "O" and "D" Die Seven Connector Program

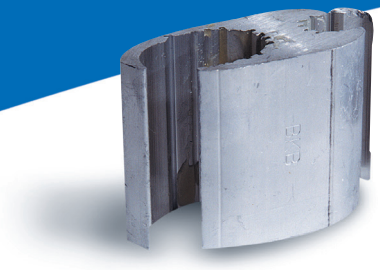
- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in 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 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		1/0 1 2	2/0 1/0 1 2	4 6		0.398	0.266			1-3/4			
WR199	1/0 1 2 3			2 3 4	1 2 3 4				1 2 3 4	1 2		0.066	0.332	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	0.419	0.232	0.419				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	D	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		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				

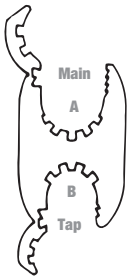


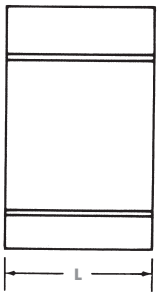
Compression H-Tap Connectors

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	0.461	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	2-1/8		6	
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		0.266	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			1/0 1 2 3 4	1/0 1 2 3 4	1/0 1 2	266 4/0 3/0	266 250 4/0 3/0	1/0 1 2 3 4	1/0 1 2	0.63	0.423	0.3763	0.232			5	
WR389	4/0 3/0			2/0 1/0	3/0 2/0	–		266 250 4/0	3/0 2/0	3/0 2/0	0.563	0.461	0.470	0.376	2-3/16		6	
WR389**	4/0 3/0 2/0			2/0 1/0 1	3/0 2/0 1/0				3/0 2/0 1/0	3/0 2/0 1/0		0.423		0.336				

*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

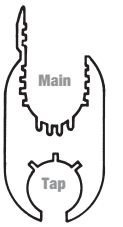


Fig. 1

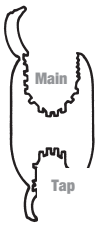
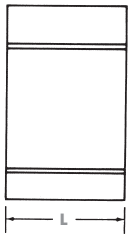


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range									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								
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.			
WR715	397-18/1 336 266	400 397 350 336 300 266 250	2/0 1/0 1 2 3 4 6	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	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	0.520	0.447	0.162	2	TBM12, JB12B and Y-35	2
WR775		400 397 350 336 300 266 250 4/0	397-18/1 336 266 4/0	400 397 350 336 300 266 250 4/0	–	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
WR815	477-18/1 397 336 266 4/0	556 500 400 397 350 336 300 266 250	2/0 1/0 1 2 3 4 6	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	556 477 397 350 336 266 250	556 500 400 397 350 336 300 266 250	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	0.858		0.447	0.162	2		2
WR835			4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0	4/0 3/0 2/0			266 4/0 3/0 2/0	250 4/0 3/0			0.563	0.368			
WR875**			477-18/1 266	350 336 300 266 250	397 366			397 336 266	400 397 350 336 300 266 250			0.684	0.520	3		3
WR885		500 400 397 350 336 300 266 250 4/0	477-18/1 397 336 266 4/0	500 400 397 350 300 266 250 4/0				556 477 394 336 266	556 477 397 350 336 300 266 250	0.814		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 "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
- 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

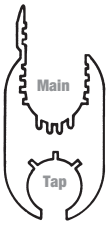


Fig. 1

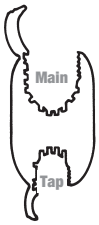
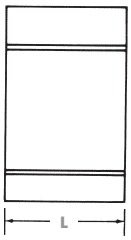


Fig. 2



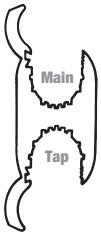
Products on this page are not CSA applicable.

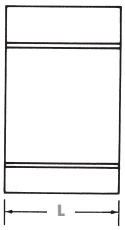
Cat. No.	Conductor Range												Connector Length L (in.)	Installation Information	
	Standard Conductor*					Compact Conductor				Diameter (in.)					
	Main		Tap			Main		Tap		Main		Tap			
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.	For Use with Tool	No. of Indents
WR699	397-18/1 336 266	400 397 350 336 300 266 250	4 6	3 4 6	2 3 4 6	477 397 350 336	477 397 350 336 300	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	3/0 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
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 1 2	0.858	0.659	0.477	0.289	2		
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								Diameter (in.)				Connector Length L (in.)	Installation Information		
	Standard Conductor				Compact Conductor				Main		Tap			For Use with Tool	Connector Die	No. of Indents
	Main		Tap		Main		Tap									
	ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.				
WR909	556-18/1 477 397 336 300	600 556 550 500 400 477 450 400 397 350 336	336-1/81 266 4/0 3/0 2/0 1/0	350 336 266 250 4/0 3/0 2/0	636 556 477 397	700 636 556 500 477 450	397-1/2 336 266 4/0 3/0 2/0	397 350 336 300 266 250 4/0 3/0	0.893	0.666	0.684	0.398	4-3/4	TBM15I (15620)	R	4
WR929			556-18/1 477 397 336 300	600 556 550 500 477 450 400 397 350 336			636 556 477 397	700 636 556 477 450	0.893	0.666	0.893	0.666				
WR949	795-26/7 715 666 636 606 556 477-30/7	900 874 800 795 750 715 700 636 600	336-18/1 266 4/0 3/0 2/0 1/0	350 336 266 250 4/0 3/0 2/0	954 874 795	1000 954 874 795 750	397- 18/1 336 266 4/0 3/0 2/0	397 350 336 300 266 250 4/0 3/0	1.108	0.883	0.684	0.398				
WR969			556-18/1 477 397 336 300	600 556 550 500 477 450 400 397 350 336			636 556 477 397	700 363 556 477 450	1.108	0.883	0.893	0.666				
WR989			795-26/7 715 666 636 605 556 477-30/7	900 874 800 795 750 715 700 636 600			954 874 795	1000 954 874 795 750	1.108	0.883	1.108	0.883				
WR999	954-45/7 900 874 795 715 666	1033 1000 900 800 795 750	954-45/7 900 874 7985 715 666	1033 1000 900 800 795 750	954 900	1000 900	954 900 874	1000 900	1.172	0.997	1.172	0.997				

Compression H-Tap Connectors

Type WR — Street Lighting Compression Connectors

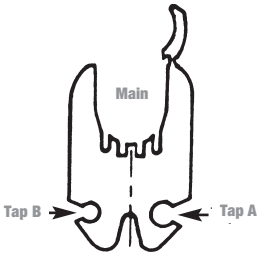


Fig. 1

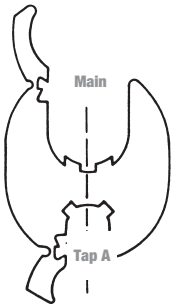
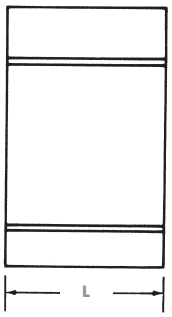


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Figure No.	Conductor Range							Connector Length L (in.)	Installation Information		
		Standard Conductor								For Use with Tool	No. of Indents	
		Main			Tap A		Tap B				Mech. Tool	Hyd. Tool
		ACSR	Str.	Sol.	Str.	Sol.	Str.	Sol.				
WR9**	2	3 4 6	2 3 4 6	1 2 3 4	8 10 12 14	8 10 12 14	–	–	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	6 8 10	12 14	12 14	1-1/2	0	4	2
WR502		4/0 3/0	4/0 3/0	–						D		–
WR502*		4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0								–	2

Main			Tap A		Tap B		Main		Tap A		Tap B	
							Max.	Min.	Max.	Min.	Max.	Min.
							0.419	0.250	0.162	0.100	0.092	0.064
								0.461				
							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

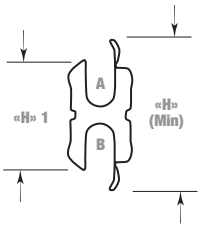


Fig. 1

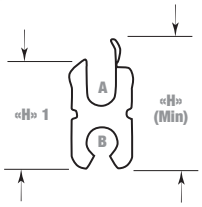
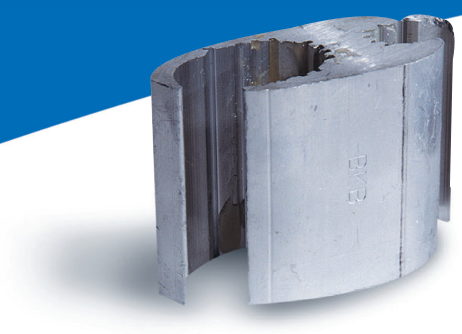


Fig. 2

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											
		ACSR	Str.	Sol.	Str.	Max.	Min.	Max.	Min.	H (Min.)	H 1	Connector Length (in.)	OD 58	Type O	MD Series	JB12B	H Series	Y-35	TBM15/Y45/Y46
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				0.162	1.017	0.842					HBKC	BKT	BKT	
CF102-1	1	–	1/0 1 2	2 4 6	4	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.

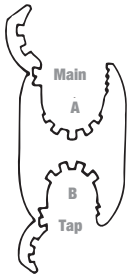


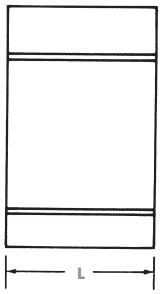
Compression H-Tap Connectors

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





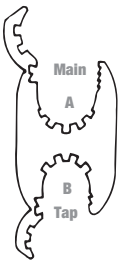
Cat. No.	Connector No.	Conductor Range										Connector Length L (in.)	Installation Information		
		Standard Conductor						Compact Conductor				Diameter (in.)					Connector Die	No. Indents	
		Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.				
WR159	1	2 3 4 6	1 2 3 4 6	2 3 4 6			2 3 4 6	2 3 4 6	1 2 3 4 6	2 3 4 6		0.332	0.162			1-7/16		4	
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 2 3 4 6	1/0 1 2 3 4 6	2/0 1/0 1 2	2/0 1/0 1 2	1 2 3 4 6	1 2 3 4 6	0.419	0.266	0.332	0.162	1-11/16	0		
WR289	3	2/0 1/0	3/0 2/0	4/0 3/0				3/0 2/0	30			0.470	0.398			1-13/16	D	5	2
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	3/0 2/0 1/0	3/0 2/0 1/0	3/0 2/0 1/0	3/0 2/0 1/0		0.336	0.470	0.36				
WR379	5	4/0 3/0	4/0	–	2 3 4 6	1 2 3 4 6	1/0 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				
WR399	6		4/0 3/0		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		0.461	0.447	0.338	2-3/16		6	
WR419	7				4/0 3/0	4/0 3/0	–			266-18/1 4/0 3/0	266 250 4/0			0.563	0.461	2-7/16		7	3

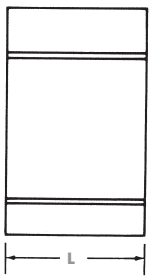
Compression H-Tap Connectors

Type WR — Wide Range Aluminum Tap Connectors

Supplemental "O" and "D" Die Seven Connector Program

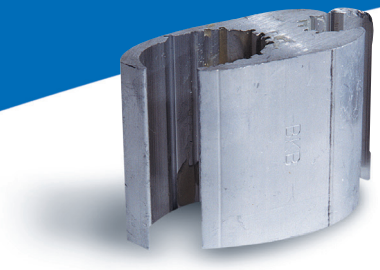
- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in 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 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		1/0 1 2	2/0 1/0 1 2	4 6		0.398	0.266			1-3/4			
WR199	1/0 1 2 3			2 3 4	1 2 3 4				1 2 3 4	1 2		0.066	0.332	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	0.419	0.232	0.419				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	D	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		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				

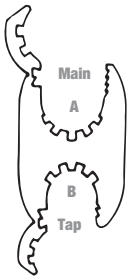


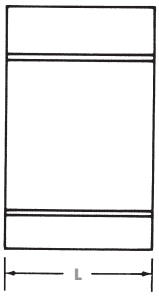
Compression H-Tap Connectors

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	0.461	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	2-1/8		6	
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		0.266	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			1/0 1 2 3 4	1/0 1 2 3 4	1/0 1 2	266 4/0 3/0	266 250 4/0 3/0	1/0 1 2 3 4	1/0 1 2	0.63	0.423	0.3763	0.232			5	
WR389	4/0 3/0			2/0 1/0	3/0 2/0	–		266 250 4/0	3/0 2/0	3/0 2/0	0.563	0.461	0.470	0.376	2-3/16		6	
WR389**	4/0 3/0 2/0			2/0 1/0 1	3/0 2/0 1/0				3/0 2/0 1/0	3/0 2/0 1/0		0.423		0.336				

*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

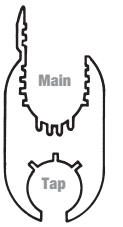


Fig. 1

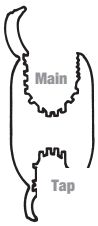
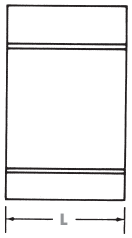


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Conductor Range									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								
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.			
WR715	397-18/1 336 266	400 397 350 336 300 266 250	2/0 1/0 1 2 3 4 6	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	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	0.520	0.447	0.162	2	TBM12, JB12B and Y-35	2
WR775		400 397 350 336 300 266 250 4/0	397-18/1 336 266 4/0	400 397 350 336 300 266 250 4/0	–	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
WR815	477-18/1 397 336 266 4/0	556 500 400 397 350 336 300 266 250	2/0 1/0 1 2 3 4 6	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	556 477 397 350 336 266 250	556 500 400 397 350 336 300 266 250	2/0 1/0 1 2 3 4 6	3/0 2/0 1/0 1 2 3 4 6	0.858		0.447	0.162	2		2
WR835			4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0	4/0 3/0 2/0			266 4/0 3/0 2/0	250 4/0 3/0			0.563	0.368			
WR875**			477-18/1 266	350 336 300 266 250	397 366			397 336 266	400 397 350 336 300 266 250			0.684	0.520	3		3
WR885		500 400 397 350 336 300 266 250 4/0	477-18/1 397 336 266 4/0	500 400 397 350 300 266 250 4/0				556 477 394 336 266	556 477 397 350 336 300 266 250	0.814		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 "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
- 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

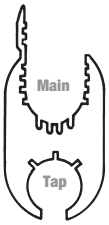


Fig. 1

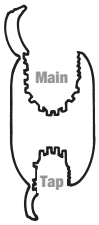
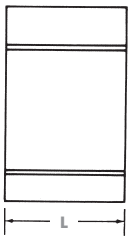


Fig. 2



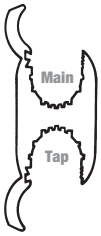
Products on this page are not CSA applicable.

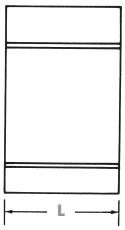
Cat. No.	Conductor Range												Connector Length L (in.)	Installation Information	
	Standard Conductor*					Compact Conductor				Diameter (in.)					
	Main		Tap			Main		Tap		Main		Tap			
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.	For Use with Tool	No. of Indents
WR699	397-18/1 336 266	400 397 350 336 300 266 250	4 6	3 4 6	2 3 4 6	477 397 350 336	477 397 350 336 300	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	3/0 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
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 1 2	0.858	0.659	0.477	0.289	2		
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								Diameter (in.)				Connector Length L (in.)	Installation Information		
	Standard Conductor				Compact Conductor				Main		Tap			For Use with Tool	Connector Die	No. of Indents
	Main		Tap		Main		Tap									
	ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	Max.	Min.	Max.	Min.				
WR909	556-18/1 477 397 336 300	600 556 550 500 400 477 450 400 397 350 336	336-1/81 266 4/0 3/0 2/0 1/0	350 336 266 250 4/0 3/0 2/0	636 556 477 397	700 636 556 500 477 450	397-1/2 336 266 4/0 3/0 2/0	397 350 336 300 266 250 4/0 3/0	0.893	0.666	0.684	0.398	4-3/4	TBM15I (15620)	R	4
WR929			556-18/1 477 397 336 300	600 556 550 500 477 450 400 397 350 336			636 556 477 397	700 636 556 477 450	0.893	0.666	0.893	0.666				
WR949	795-26/7 715 666 636 606 556 477-30/7	900 874 800 795 750 715 700 636 600	336-18/1 266 4/0 3/0 2/0 1/0	350 336 266 250 4/0 3/0 2/0	954 874 795	1000 954 874 795 750	397- 18/1 336 266 4/0 3/0 2/0	397 350 336 300 266 250 4/0 3/0	1.108	0.883	0.684	0.398				
WR969			556-18/1 477 397 336 300	600 556 550 500 477 450 400 397 350 336			636 556 477 397	700 363 556 477 450	1.108	0.883	0.893	0.666				
WR989			795-26/7 715 666 636 605 556 477-30/7	900 874 800 795 750 715 700 636 600			954 874 795	1000 954 874 795 750	1.108	0.883	1.108	0.883				
WR999	954-45/7 900 874 795 715 666	1033 1000 900 800 795 750	954-45/7 900 874 7985 715 666	1033 1000 900 800 795 750	954 900	1000 900	954 900 874	1000 900	1.172	0.997	1.172	0.997				

Compression H-Tap Connectors

Type WR — Street Lighting Compression Connectors

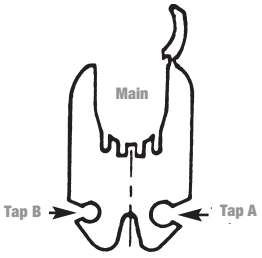


Fig. 1

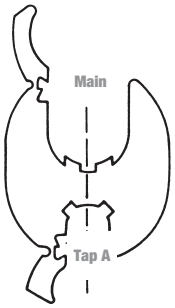
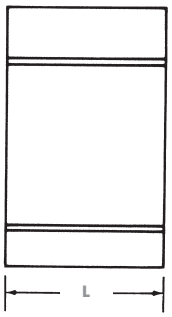


Fig. 2



Products on this page are not CSA applicable.

Cat. No.	Figure No.	Conductor Range							Connector Length L (in.)	Installation Information		
		Standard Conductor								For Use with Tool	No. of Indents	
		Main			Tap A		Tap B				Mech. Tool	Hyd. Tool
		ACSR	Str.	Sol.	Str.	Sol.	Str.	Sol.				
WR9**	2	3 4 6	2 3 4 6	1 2 3 4	8 10 12 14	8 10 12 14	–	–	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	6 8 10	12 14	12 14	1-1/2	0	4	2
WR502		4/0 3/0	4/0 3/0	–						D		–
WR502*		4/0 3/0 2/0 1/0	4/0 3/0 2/0 1/0								–	2

Main			Tap A		Tap B		Main		Tap A		Tap B	
							Max.	Min.	Max.	Min.	Max.	Min.
							0.419	0.250	0.162	0.100	0.092	0.064
								0.461				
							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

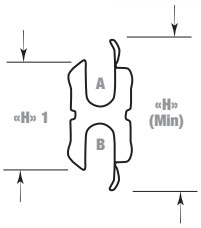


Fig. 1

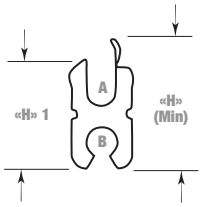


Fig. 2

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											
		ACSR	Str.	Sol.	Str.	Max.	Min.	Max.	Min.	H (Min.)	H 1	Connector Length (in.)	OD 58	Type O	MD Series	JB12B	H Series	Y-35	TBM15/Y45/Y46
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				0.162	1.017	0.842					HBKC	BKT	BKT	
CF102-1	1	–	1/0 1 2	2 4 6	4	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.