

Stirrup Connectors

Blackburn® WRQ and WRS Stirrup Connectors

Protect main conductors from arcing damage

- Perfect for when hot line taps are installed
- High-conductivity and corrosion resistance



WRQ



WRS

Figure 1 Cat. No.	Figure 2 Cat. No.	Conductor Range				Copper Bail	Installation Dies		Dimensions Type WRS	
		ACSR	AWG	Diameter (in.)*			Mech.	Hyd.	L	H1
				Max.	Min.					
WRQ154	WRS154	#2-#6	#1 str.-#6 sol.	0.332	0.162	#4 sol.	O	O	10	7/8
WRQ152	WRS152					#2 sol.				
WRQ172	WRS172	1/0-#3	1/0 str.-1 sol.	0.398	0.281		D	D	12-1/4	3-3/16
WRQ232	WRS232	2/0-1/0	2/0 str.-1/0 str.	0.447	0.368					
WRQ352	WRS352	4/0-3/0	4/0 str.-3/0 str.	0.563	0.460	2/0 sol.	-	N	12-1/4	3-3/16
-	WRS719	397 (18/1)-266	400 str.-250 str.	0.743	0.600					
-	WRS819		500 str.-336 str.		0.666					
WRQ698	-	477 (26/7)-266	500 str.-250 str.	0.858	0.574	#2 sol.				

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

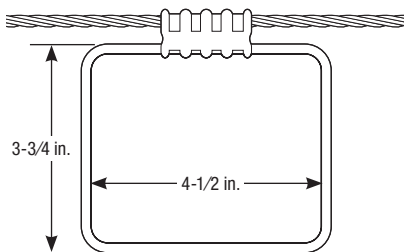


Fig. 1

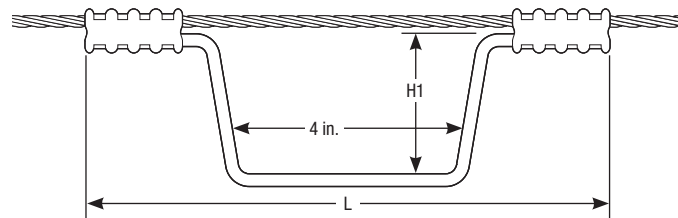


Fig. 2

Stirrup Connectors



SC0

Blackburn® SC and QC Stirrup Connectors

Aluminum conductor elements are designed to be preloaded for faster installation into hotstick tools

- No special compression tools needed
- Prevents oxidation and keeps out moisture
- High-conductivity and corrosion resistance
- Fit #6 solid to 500 kcmil wire sizes
- Resists rotation

Figure 1 Cat. No.	Figure 2 Cat. No.	Conductor Range				Bail (Tin-Plated)		Installation Dies		Dimensions	
		ACSR	AWG	Diameter		Wire Size	Dia. (mm)	Mech.	Hyd.	Length	Height
				in.	mm						
QC002	SC002	#2-#6	#2 str.-#6 sol.	0.325-0.162	8.25-4.12	#2 sol.	6.35	0	0	8-3/4	3-1/8
QC021	SC021	2/0-#2	2/0 str.-#2 sol.	0.414-0.292	10.51-7.41						
QCD41	SCD41	4/0-3/0	4/0 str.-3/0 sol.	0.563-0.464	14.29-10.51	1/0 sol.	6.22	-	N	11	3-11/16
QCN50	SCN50	477 (18/1)-4/0	500-4/0 str.	0.814-0.528	20.66-13.40						

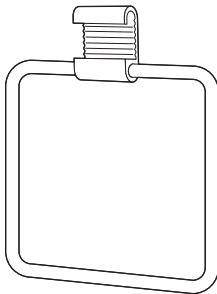


Fig. 1

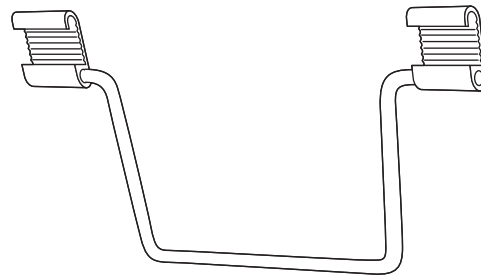


Fig. 2

Stirrup Connectors

Anti-Rotational Hot Line Stirrups

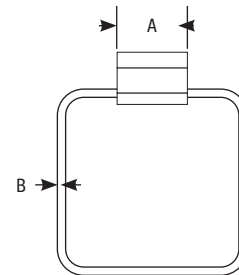
Protect conductors from arc and mechanical damage where hot line clamps are used

For aluminum, AAAC and ACSR conductors. These stirrups can be pre-loaded into a hotstick installing tool, hooked over the line and compressed.

- Provides high-conductivity
- Improve both mechanical and electrical performance
- Prevents oxidation and keeps out moisture
- Easy identification for easy installation

C-Type Stirrups

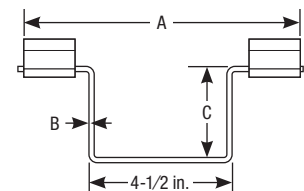
Cat. No.	Conductor Size			Dimensions (in.)		Die
	ACSR	Sol.	Str.	A	B	
OC 42	#4	#6-#4	#4	1-7/8	2	O
OC 22	#4-#2	#2	#4-#2			
OC 102	#4-1/0	-	#2-1/0			
DC 402	3/0-4/0		3/0-4/0	2-3/4	2	D
NC 40010	266.8 (18/1)-397.5 (18/1)	-	250 (37)-400 (37)	2-1/8	1/0	N
NC 60010	397.5 (18/1)-556.5 (18/1)		477-600			



Crank-Type Stirrups

Cat. No.	Conductor Size		Dimensions (in.)			Die
	ACSR	Str.	A	B	C	
OST 42	#4	#6 sol.-#4	10	2	2-3/4	O
OST 22	#4-#2	#4-#2				
OST 102	#4-1/0	#2-1/0				
OB 103 ST	#6-1/0	#6-1/0	9-1/2			
DST 402	3/0-4/0	3/0-4/0	10			D
NST 40010	266.8 (18/1)-397.5 (18/1)	250 (37)-400 (37)	12	1/0	2-7/8	N
NST 60010	397.5 (26/7)-556.5 (18/1)	477-600		2	2-3/4	D
DB 404 ST*	3/0-4/0	3/0-4/0	10	2/0	2-7/8	N
NB 50040 ST*	4/0-477 (18/1)	4/0-500				

*Designates H-Tap style.



Stirrup Connectors

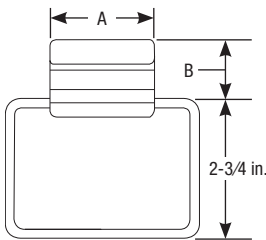


Anti-Rotational Paltrap™ Hot Line Stirrups

Protect aluminum and ACSR main conductors from arc and mechanical damage where hot line clamps are used

For aluminum, 5005, AAAC and ACSR conductors. These stirrups can be pre-loaded into a hotstick installing tool, hooked over the line and compressed.

- Provides high-conductivity
- Prevents oxidation and keeps out moisture
- Easy identification for easy installation



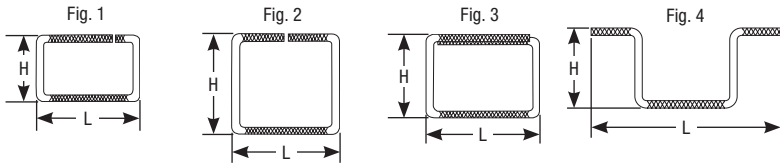
Cat. No.	Main Conductor			Dimension (in.)		Installing Die
	ACSR	Sol.	Str.	A	B	
QH 6 S	#6	#4 and #6	#6	2-1/16	1	TQ, 12, 1/2
QH 4 S	#4	#2	#4			42
SH 2S	#2	—	#2	2-3/8	1-3/16	45, TS, 13, 9/16

Bails may be ordered separately for field assembly of stirrups using Paltrap™ connectors. Specify catalogue number HLB 2 for #2 tinned solid copper bail or catalogue number HLB 10 for 1/0 tinned solid copper bail.

Copper Tin-Plated Bails

Designed for distribution service connections with standard hotsticks

- All handle either #2 or 1/0 conductor sizes
- Resists corrosion



S 4425



HLB 2

Cat. No.	Size	Fig.	Dimensions (in.)	
			H	L
HLB 2	#2	1	2-3/8	4-1/4
HLB 10	1/0		2-3/4	4-3/8
S 4425*	#2	2	4	4-1/4
S 4425-1/0	1/0			
OL 4425	#2	3	3-1/8	4-1/2
HLCB 2		4	2-3/4	

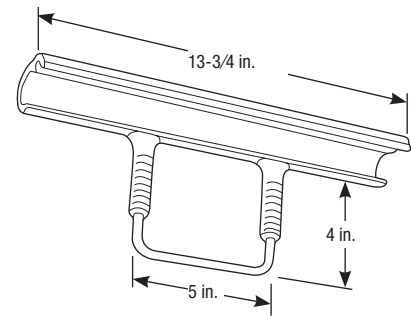
*S 4425 is split in the center and recommended for H-Type connector applications.

Stirrup Connectors

Blackburn® CCS Compression Stirrup

The single-piece stirrup for a large, workhorse conductor

- High-conductivity and corrosion-resistant
- No special compression tools needed

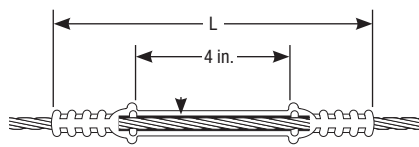


Cat. No.	Conductor Range		Copper Bail Tin-Plated
	Max.-Min.	Max.-Min.	
CCS44	800-636 str.	1.032-0.918	2/0 sol.

Blackburn® LP Compression Line Protector Sleeves

Covers and protects conductors from arcing when line clamps are attached or disconnected

- Have a hot line clamp-bearing surface measuring 11/16 in. diameter by 4 in. long
- No special compression tools needed



11/16 in.
Hot line clamp-bearing surface: 11/16 in. dia. x 4 in. length



LP10

Cat. No.	Conductor Range				Length (L) (in.)	Installation Dies
	ACSR	AWG	Max.	Min.		
LP4	#4	#4	0.257	0.232	8	5/8 Peach, BG, G
LP2	#2	#2	0.316	0.292		
LP10	1/0	1/0	0.398	0.373		0