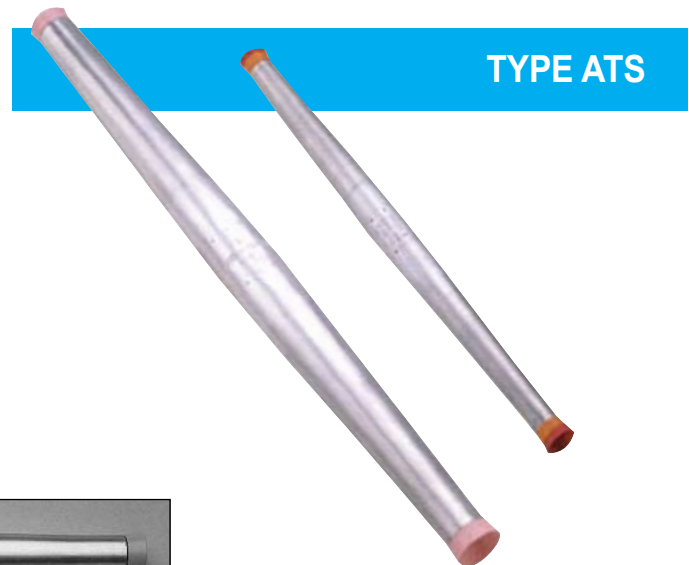
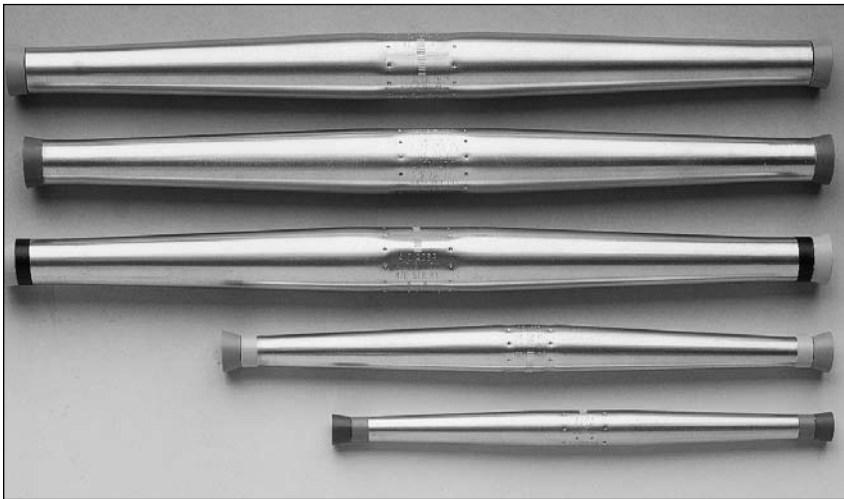


**Blackburn automatic connectors** make fast and dependable overhead tension splices that take a bite out of installation time.

Conductor simply slips into the color-coded, funnel-shaped end piece and automatically enters the pilot cup with a gentle push. The pilot cup guides the conductor past the unique serrated jaws and into the center of the connector.

When the conductor meets the center stop, the pull-back locks it into position as the jaws firmly clamp down...the more pull, the more bite...to provide an instant, positive and automatic connection.



TYPE ATS

- Color-coded end pieces provide instant visual identification of maximum conductor size. A separate, color-coded tape identifies the minimum conductor size of wide range connectors to further eliminate errors and save installation time.
- The funnel-shaped end piece swiftly guides conductor into position for insertion.
- A pilot cup envelopes strands and guides the conductor past the serrated jaws and into the center of the splice.
- Die-cast precision made jaw provides optimum contact area for a greater range of conductor sizes. No other jaw design forms point-to-point contact with such tenacity to give you a better fit over a range of conductor diameters which reduces your inventory stocking requirements.
- Compression spring positions the unique jaw for positive conductor acceptance.
- Tubular center stop automatically determines proper insertion length of both conductors.
- High strength, aluminum alloy tubing covers the connection for superior corrosion protection and lasting service life.
- Packaged in plastic bags to repel dirt and debris. Instructions, printed on each bag, save time and further eliminate the potential for errors during installation.

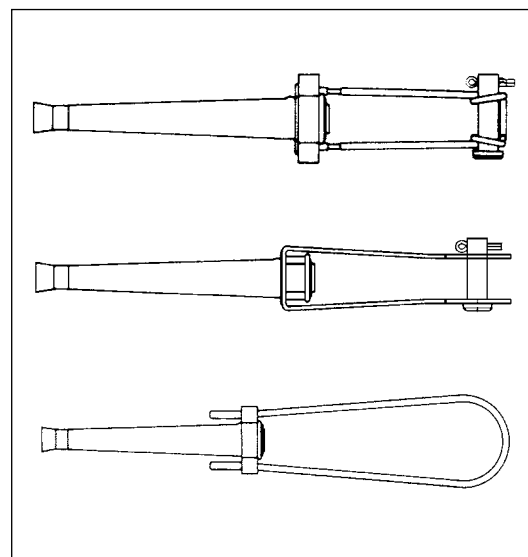
### TYPE ATS – AUTOSET™ AUTOMATIC SPLICES

Cat. No.	Conductor Range			Color Code	Overall Length
	ACSR	AAAC	AAC		
ATS4-S	4 $\frac{1}{2}$ , $\frac{7}{8}$	4	4	4 - Orange	11.50"
ATS4	4 $\frac{1}{2}$ , $\frac{7}{8}$	4	4	4 - Orange	13.75"
ATS42	4 $\frac{1}{2}$ , $\frac{7}{8}$ 2 $\frac{1}{2}$ , $\frac{7}{8}$	4-2	4-2	4 - Orange 2 - Red	13.75"
ATS2	2 $\frac{1}{2}$ , $\frac{7}{8}$	2	2	2 - Red	13.75"
ATS10	1/0 $\frac{8}{4}$	1/0	1/0	1/0 - Yellow	16.25"
ATS1020	1/0 $\frac{8}{4}$ 2/0 $\frac{7}{4}$	1/0-2/0	1/0-2/0	1/0 - Yellow 2/0 - Grey	16.25"
ATS20	2/0, $\frac{7}{8}$	2/0	2/0	2/0 - Grey	16.25"
ATS30	3/0, $\frac{9}{8}$	3/0	3/0	3/0 - Black	16.25"
ATS3040	3/0 $\frac{9}{8}$ 4/0 $\frac{9}{8}$	3/0-4/0	3/0-4/0	3/0 - Black 4/0 - Pink	23.50"
ATS40	4/0 $\frac{9}{8}$ 266 $\frac{18}{4}$	4/0	4/0	4/0 - Pink	23.50"
ATS266336	266 $\frac{26}{4}$ * 336 $\frac{18}{4}$ * 336 $\frac{26}{4}$ *	312.8*	266-336	Green	23.50"
ATS397477	397 $\frac{18}{4}$ * 397 $\frac{26}{4}$ * 477 $\frac{18}{4}$ *	394.5*	397-477	Blue	23.50"

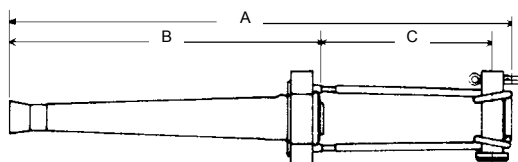
\*Application limited to maximum 10,000 pounds tensile.

**Blackburn's automatic deadend** features the same innovative jaw design as the field-proven Blackburn Autoset Type ATS automatic tension splice. The Autoset Type ATD automatic tension deadend accepts ACSR, AAC, and AAAC conductors. It's range-taking capability helps take a bite out of inventory costs because the five sizes of Autoset replace eight sizes of other brands. Installation of the new Autoset deadend is fast and easy, thus reducing maintenance costs as well as reducing inventory.

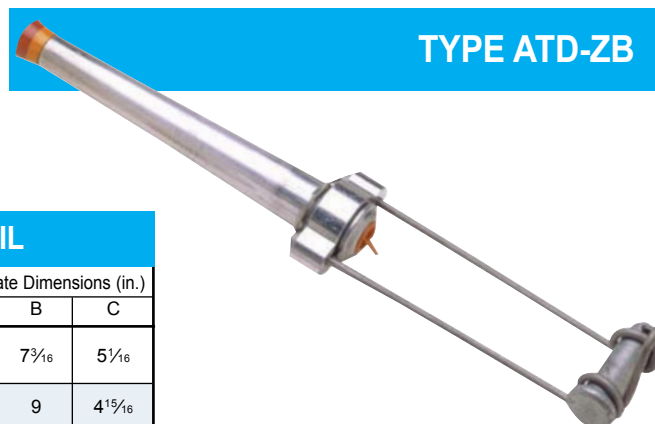
- Color-coded end pieces provide instant visual identification of maximum conductor size. A separate, color-coded tape identifies the minimum conductor size of a wide range connectors to further eliminate errors and save installation time.
- The funnel-shaped end piece swiftly guides conductor into position for insertion.
- A pilot cup envelopes strands and guides the conductor past the serrated jaws.
- Die-cast precision-made jaws provide optimum contact area for a greater range of conductor sizes.
- The jaws and the I.D. of the tube are coated with a special microcrystalline based inhibitor/lubricant which seals the connection and provides a high pressure lubricant for long term continuous performance.
- The deadends are provided with factory installed dust covers.
- Compression spring positions the unique jaw for positive conductor acceptance.



- Used for deadending ACSR, AAC, and AAAC conductors
- Complete with galvanized steel clevis pin and stainless steel cotter pin for use with standard deadend suspension insulators
- Breaking strength exceeds 95% of rated strength of conductor up to 10,000 lb. maximum.



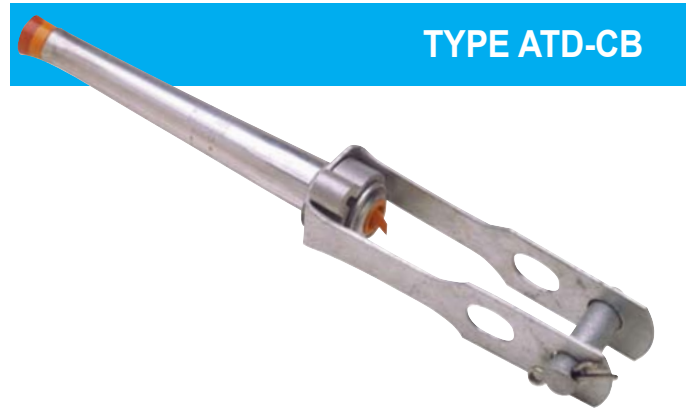
**TYPE ATD-ZB**



### TYPE ATD-ZB – AUTOSET™ STAINLESS STEEL BAIL

Cat. No.	Conductor Range			Color Code	Approximate Dimensions (in.)		
	ACSR	AAAC	AAC		A	B	C
ATD42ZB	4 <sup>3</sup> / <sub>4</sub> , 2 <sup>3</sup> / <sub>4</sub>	4 2	4 2	4 - Orange 2 - Red	12 <sup>1</sup> / <sub>16</sub>	7 <sup>3</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>16</sub>
ATD1020ZB	1/0 <sup>9</sup> / <sub>16</sub> 2/0 <sup>9</sup> / <sub>16</sub>	1/0 2/0	1/0 2/0	1/0 - Yellow 2/0 - Grey	14 <sup>1</sup> / <sub>2</sub>	9	4 <sup>15</sup> / <sub>16</sub>
ATD3040ZB	3/0 <sup>9</sup> / <sub>16</sub> 4/0 <sup>9</sup> / <sub>16</sub>	3/0 4/0	3/0 4/0	3/0 - Black 4/0 - Pink	20 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>4</sub>	8 <sup>1</sup> / <sub>2</sub>
ATD266336ZB	266 <sup>18</sup> / <sub>16</sub> 336 <sup>18</sup> / <sub>16</sub>	266 336	266 336	Green	20 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>4</sub>	8 <sup>1</sup> / <sub>2</sub>
ATD397477ZB	397 <sup>18</sup> / <sub>16</sub> 477 <sup>18</sup> / <sub>16</sub>	397 477	397 477	Blue	20 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>4</sub>	8 <sup>1</sup> / <sub>2</sub>

- Used for deadending ACSR, AAC, and AAAC conductors
- Complete with galvanized steel clevis pin and stainless steel cotter pin for use with standard deadend suspension insulators
- Slots provided for use with standard pulling hooks
- Breaking strength exceeds 95% of rated strength of conductor up to 10,000 lb. maximum

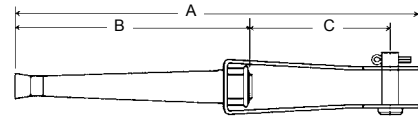


**TYPE ATD-CB**

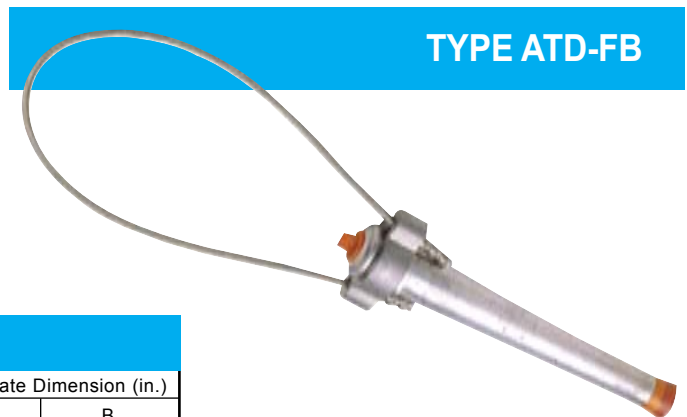
Automatic Connectors and Wedge Clamps

### TYPE ATD-CB – AUTOSET™ CLEVIS BRACKET

Cat. No.	Conductor Range			Color Code	Approximate Dimensions (in.)		
	ACSR	AAAC	AAC		A	B	C
ATD42CB	4 <sup>5</sup> / <sub>16</sub> , 7 <sup>1</sup> / <sub>16</sub>	4	4	4 - Orange 2 - Red	12 <sup>3</sup> / <sub>16</sub>	7 <sup>3</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>16</sub>
	2 <sup>5</sup> / <sub>16</sub> , 7 <sup>1</sup> / <sub>16</sub>	2	2				
ATD1020CB	1/0 <sup>5</sup> / <sub>16</sub>	1/0	1/0	1/0 - Yellow 2/0 - Grey	15 <sup>1</sup> / <sub>4</sub>	9	5 <sup>3</sup> / <sub>8</sub>
	2/0 <sup>5</sup> / <sub>16</sub>	2/0	2/0				
ATD3040CB	3/0 <sup>5</sup> / <sub>16</sub>	3/0	3/0	3/0 - Black 4/0 - Pink	20 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>
	4/0 <sup>5</sup> / <sub>16</sub>	4/0	4/0				
ATD266336CB	266 <sup>18</sup> / <sub>16</sub>	266	266	Green	19 <sup>3</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>
	336 <sup>18</sup> / <sub>16</sub>	336	336				
ATD397477CB	397 <sup>18</sup> / <sub>16</sub>	397	397	Blue	19 <sup>3</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>
	477 <sup>18</sup> / <sub>16</sub>	477	477				



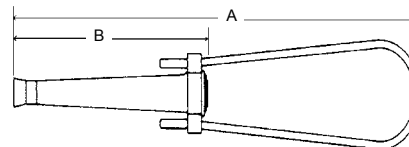
- Used for deadending ACSR, AAC, and AAAC conductors
- Flexible Bail for use with spool and other type insulators where flexibility is a requirement
- Breaking strength exceeds 95% of rated strength of conductor



**TYPE ATD-FB**

### TYPE ATD-FB – AUTOSET™ FLEXIBLE BAIL

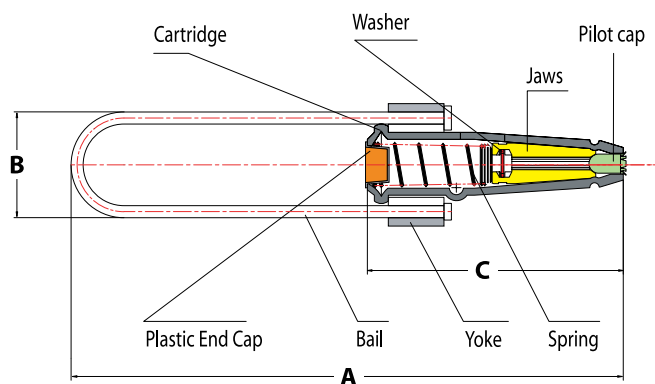
Cat. No.	Conductor Range			Color Code	Approximate Dimension (in.)	
	ACSR	AAAC	AAC		A	B
ATD42FB	4 <sup>5</sup> / <sub>16</sub> , 7 <sup>1</sup> / <sub>16</sub>	4	4	4 - Orange 2 - Red	14 <sup>3</sup> / <sub>16</sub>	7 <sup>3</sup> / <sub>16</sub>
	2 <sup>5</sup> / <sub>16</sub> , 7 <sup>1</sup> / <sub>16</sub>	2	2			
ATD1020FB	1/0 <sup>5</sup> / <sub>16</sub>	1/0	1/0	1/0 - Yellow 2/0 - Grey	18 <sup>7</sup> / <sub>8</sub>	9
	2/0 <sup>5</sup> / <sub>16</sub>	2/0	2/0			



Blackburn's automatic connectors for steel strand conductors have been proven in the utility industry for their consistent performance, ease of installation/convenience and safety. Blackburn® now expands the family of automatic deadends and splices to include a standard family of connectors for use with guy strand and messenger type wires.

This family of automatic deadends and splices is designed and recommended for use on:

- Common Grade
  - Siemens-Martin
  - High Strength Utility Grade
  - EHS\*
  - Galvanized
  - Bethalume
  - Aluminized steel strand
- Per ASTM A 474, A 475
- The connectors are designed and capable of handling tensile loads in excess of 90% of the rated strength of the recommended strand.



### TYPE ATDG GUYSTRAND CONNECTORS FOR STEEL STRAND CONDUCTORS

Cat. No.	Type	Strand Nominal	Strand**		Dimensions in. (mm)			Std. Pack
		Diameter in. (mm)	Rating	RBS lbs. (kN)	A	B	C	
ATDG14	Std. Bail	1/4 (6.35)	1/4 (6.6M)	6,650 (29.58)	9.2 (233.7)	1.7 (43.2)	4.0 (101.6)	12
ATDG516	Std. Bail	5/16 (7.94)	5/16 (6M)	11,200 (49.82)	9.5 (241.3)	1.8 (45.7)	4.5 (114.3)	12
ATDG38	Std. Bail	3/8 (9.52)	3/8 (10M)	15,400 (68.50)	11.5 (292.1)	2.3 (58.4)	5.0 (127)	12
ATDG716	Std. Bail	7/16 (11.11)	7/16 (18M)	20,800 (92.52)	14 (355.6)	2.8 (71.1)	6.8 (172.7)	12
ATDG14-L	Long Bail	1/4 (6.35)	1/4 (6.6M)	6,650 (29.58)	13.4 (340.4)	1.7 (43.2)	4.0 (101.6)	12
ATDG516-L	Long Bail	5/16 (7.94)	5/16 (6M)	11,200 (49.82)	15.1 (383.5)	1.8 (45.7)	4.5 (114.3)	12
ATDG38-L	Long Bail	3/8 (9.52)	3/8 (10M)	15,400 (68.50)	17.0 (431.8)	2.3 (58.4)	5.0 (127)	12
ATDG716-L	Long Bail	7/16 (11.11)	7/16 (18M)	20,800 (92.52)	22 (558.8)	2.8 (71.1)	6.8 (172.7)	12

\*Items for 3/8" and 7/16" steel strand are not EHS rated.

\*\*RBS rating listed is for 7 wire EHS strand.

### Features:

- Made from high strength aluminum tapered cartridge and hardened zinc plated steel jaws
- Aluminum cartridge and internal components (jaws, spring, washers) are factory lubricated
- High strength, solid stainless steel bail
- Jaw access window (slot)
- Embossed cartridge prevents yoke slippage
- Range specific pilot cup

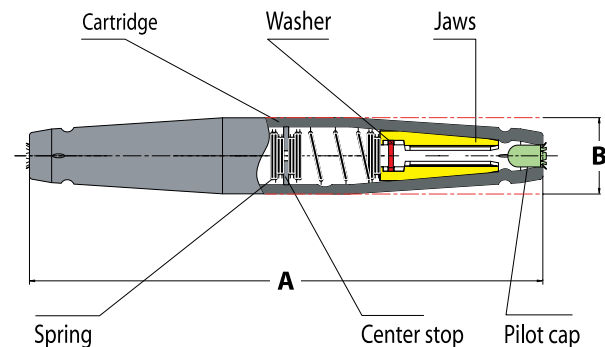
### Benefits:

- No tools required – quick and easy installation
- Variable / flexible on demand strand compression / Ice loading? Galloping? - No problem
- Exceeds 90% of the strand rated breaking strength (RBS)
- Pilot cup/jaw system eliminates accidental misapplication. If strand is outside recommended range, it will not install: Too small? Jaws will not grip. Too large? Strand will not insert
- Slotted access window permits jaw adjustment to allow repositioning, removal or retensioning of strand (deadends)
- Corrosion resistant (aluminum tube, zinc-dichromate plated jaws, lubricated internal components)



TYPE ATSG

Automatic Connectors and Wedge Clamps



### TYPE ATSG SPLICES

Cat. No.	Strand Nominal	Strand*		Dimensions in. (mm)		Std. Pack
	Diameter in. (mm)	Rating	RBS lbs. (kN)	A	B	
ATSG14	1/4 (6.35)	1/4 (6.6M)	6,650 (29.58)	6.4 (162.6)	.9 (22.8)	12
ATSG516	5/16 (7.94)	5/16 (6M)	11,200 (49.82)	7.2 (182.9)	1.1 (27.9)	12
ATSG38	3/8 (9.52)	3/8 (10M)	15,400 (68.50)	7.8 (198.1)	1.3 (33.0)	12
ATSG716	7/16 (11.11)	7/16 (18M)	20,800 (92.52)	12.5 (317.5)	1.6 (40.6)	12

\*RBS rating listed is for 7 wire EHS strand.