

**ACT FASTENING SOLUTIONS**  
A Division of Advanced Cable Ties, Inc.  
**QUALITY SYSTEM SPECIFICATION**

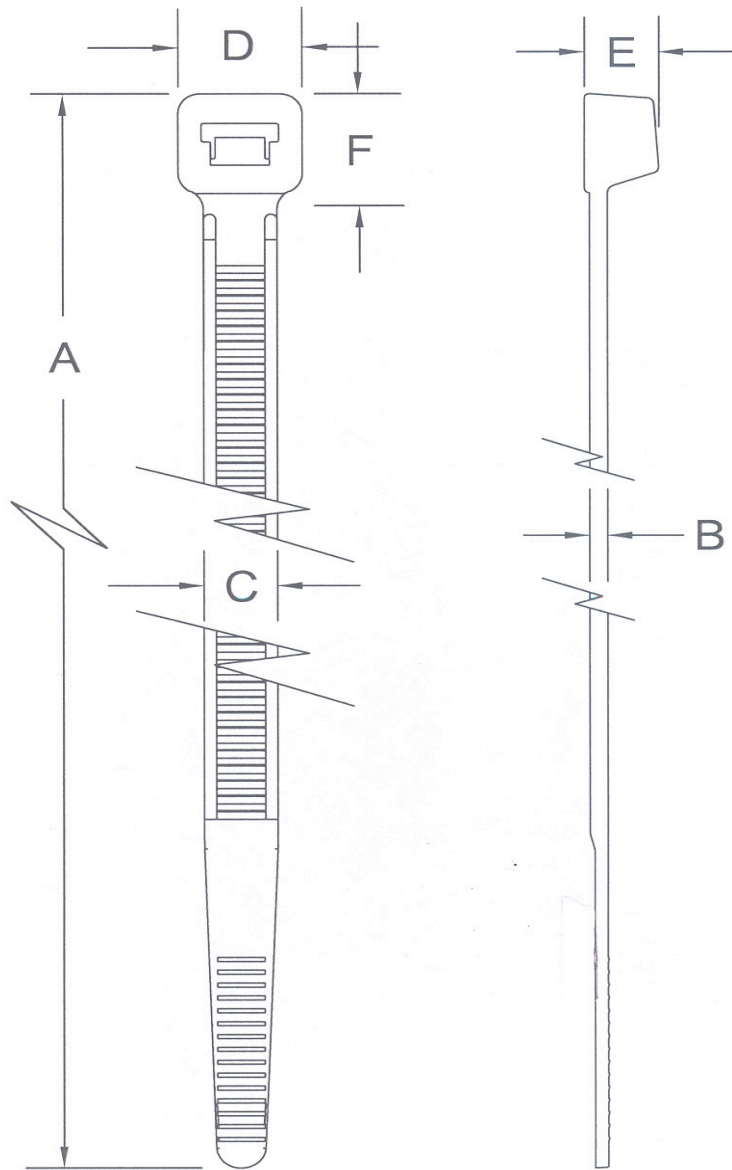
Department:	Quality Assurance	Doc.#:	Spc-4.10.29.3
Originator:	Director of Quality	Effective:	8/23/11
Title:	Product Specification, Extra Heavy Duty Cable Ties (175 & 250 LB series)		Page 1 of 4

- 1) Purpose:  
To define part specifications for Extra Heavy Duty Cable Ties (175 & 250 LB series).
- 2) Scope:  
This specification applies to all ACT Fastening Solutions Extra Heavy Duty Cable Ties (175 & 250 LB series).
- 3) Responsibilities:  
The Director of Quality is responsible for the implementation and maintenance of this specification. It is the responsibility of all ACT Fastening Solutions employees to adhere to these requirements
- 4) Definitions:  
None.
- 5) References:  
Pro-4.9.1 Process Control  
Pro-4.10.2: Receiving Inspection and Testing  
Pro-4.10.3: In-Process Inspection and Testing  
Pro-4.10.4: Final Inspection and Testing
- 6) Specification:
  - 6.1) The specifications for Extra Heavy Duty Cable Ties (175 & 250 LB series) are as defined on the attached drawing(s).

- 7) Records:  
None.

8)	<u>Revision:</u>	<u>Change Description:</u>	<u>By</u>	<u>ISO Rep. Approval</u>	<u>Date:</u>
	0	Initial Release	GL	GL	4/17/03
	1	Revise 22-250 length	GL	GL	2/27/09
	2	Adding insertion force to table.	GL	GL	4/12/11
	3	Adding 15-250 to table.	GL	GL	8/23/11

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	□	New Release	10-1-02	D.HEWES



Material Designations: -9 = Natural -# = Color -0 = UV Black -30= Heat Stabilized Black	<b>Advanced Cable Ties, Inc.</b>			
	Extra Heavy Duty Cable Tie 175 - 250 LB Series			
Unless Otherwise Specified All dimensions are in inches. Tolerances: See Table	SIZE <b>A</b>	FSCM NO.	DWG NO. <b>SPC- 4.10.29</b>	REV <b>0</b>
	SCALE <b>N/A</b>	Material Nylon 6/6	SHEET <b>3 of 4</b>	

**Advanced Cable Ties, Inc.  
 Extra Heavy Duty Cable Ties  
 175 & 250 LB Series  
 SPC-4.10.29.3**

		DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	Min. Bundle	Max Bundle	Target Insertion Force
	TOL.	+/- .030	+/- .005	+/- .005	+/- .020	+/- .020	+/- .005	DIA.	DIA.	
<b>PART</b>										
AP(R,L)-24-175-	SPEC.	25.250	0.090	0.340	0.555	0.335	0.550	1 1/2"	7 3/16"	3.5 LBS.
<b>PART #</b>										
AP(R,L)-33-175-	SPEC.	33.125	0.090	0.340	0.555	0.335	0.550	1 1/2"	9 3/4"	3.5 LBS.
<b>PART #</b>										
AP(R,L)-36-175-	SPEC.	37.250	0.090	0.340	0.555	0.335	0.550	1 1/2"	11"	3.5 LBS.
<b>PART #</b>										
AP(R,L)-48-175-	SPEC.	48.562	0.090	0.340	0.555	0.335	0.550	1 1/2"	14 1/2"	3.5 LBS.
<b>PART #</b>										
AP(R,L)-15-250-	SPEC.	14.842	0.086	0.494	0.768	0.385	0.650	1 1/2"	4 1/4"	N/A
<b>PART #</b>										
AP(R,L)-22-250-	SPEC.	21.400	0.086	0.494	0.768	0.385	0.650	1 1/2"	6"	N/A