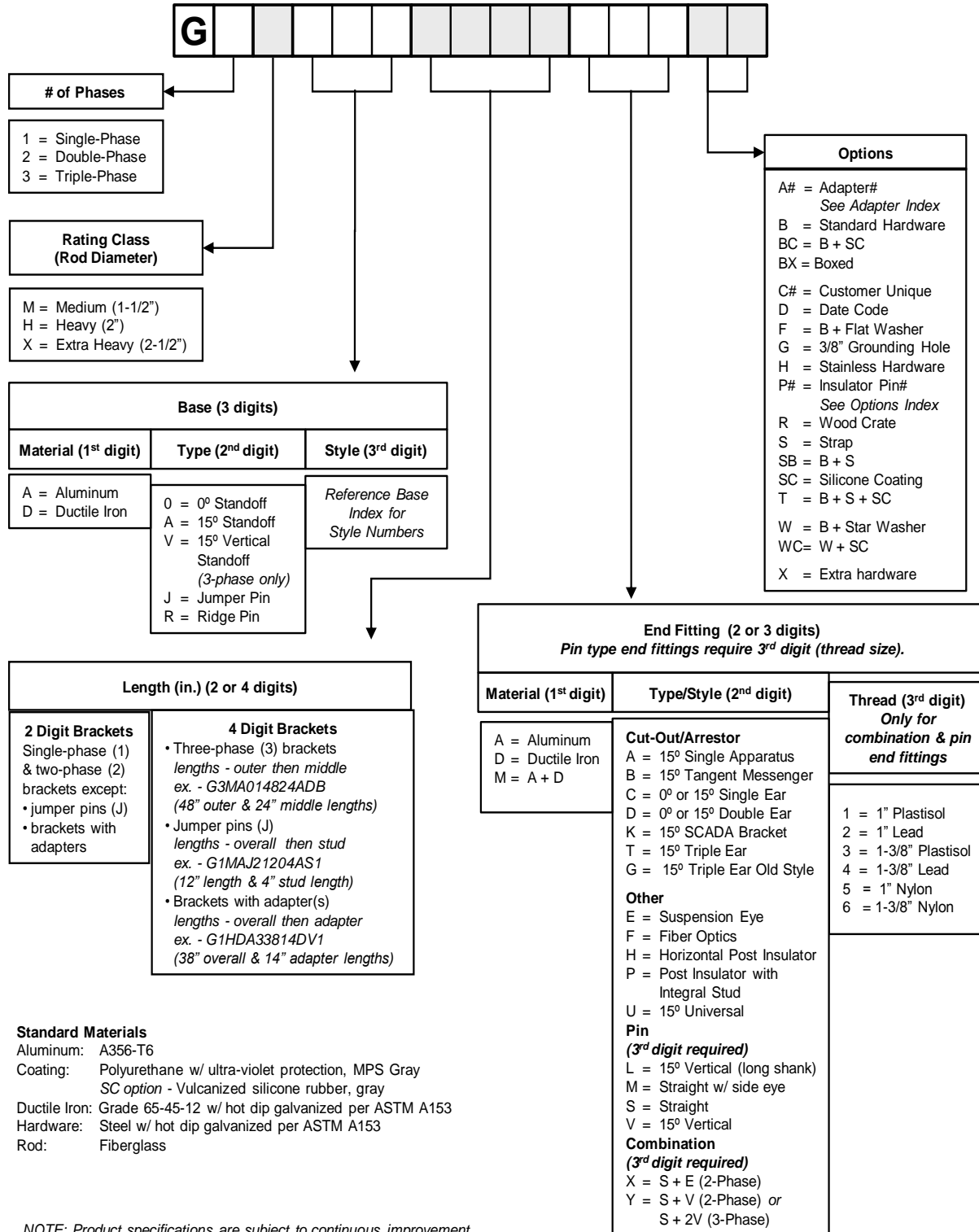


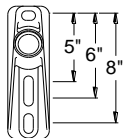
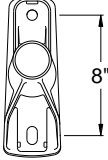
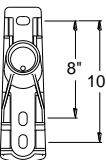
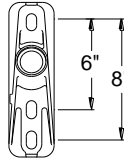
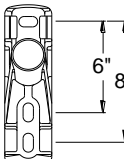
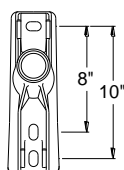
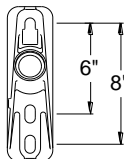
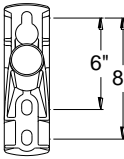
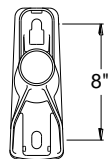
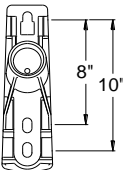
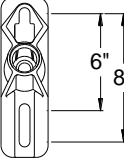
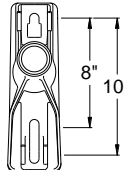
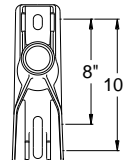
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### Single, Double, & Triple Phase Brackets

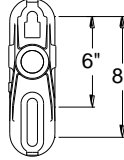
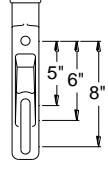
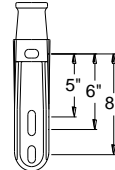
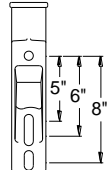
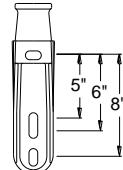

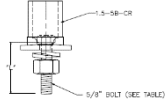





NOTE: Product specifications are subject to continuous improvement and may be changed at any time without notification.

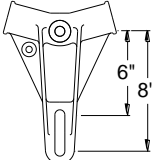
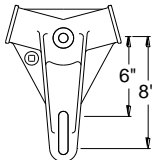
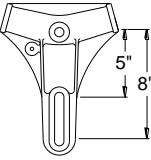
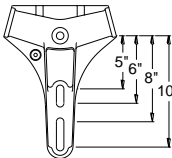
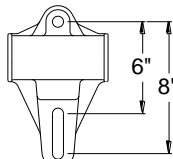
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<b>Bases - Single Phase (1)</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style #	<b>15° Standoff (A)</b>			
<b>1</b>	<b>MDA1</b>  Features: C, 5		<b>HDA1</b>  Features: D, 5	<b>HAA1</b>  Features: B, D, 5
<b>2</b>	<b>MDA2</b>  Features: B, 5	<b>MAA2</b>  Features: B, D, 5	<b>HDA2</b>  Features: D, 6	
<b>3</b>	<b>MDA3</b>  Features: B, K, 5	<b>MAA3</b>  Features: B, D, K, 5	<b>HDA3</b>  Features: B, D, K, 5	<b>HAA3</b>  Features: B, D, K, 5
<b>4</b>		<b>MAA4</b>  Features: K, 5	<b>HDA4</b>  Features: B, D, K, 5	
<b>5</b>			<b>HDA5</b>  Features: B, D, 5	
Features:	<b>B</b> = Bandable <b>5</b> = 11/16" Dia.	<b>C</b> = Cleats <b>6</b> = 13/16" Dia.	<b>D</b> = Double Nut	<b>K</b> = Keyhole

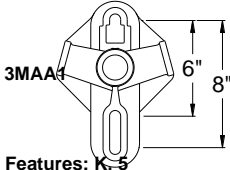
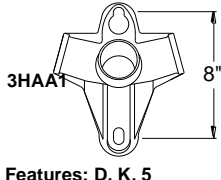
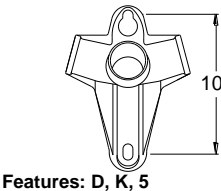
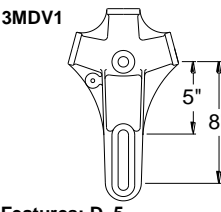
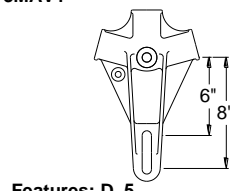
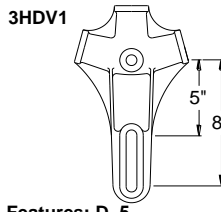
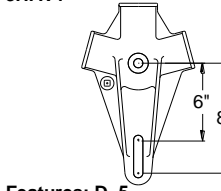
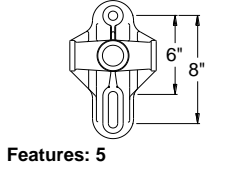
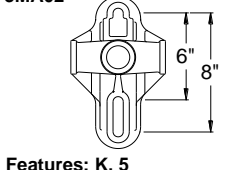
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<b>Bases - Single Phase (1)</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style #	<b>0° Standoff (0)</b>			
<b>1</b>		<b>MA01</b>  <b>Features: B, K, 5</b>		
Style #	<b>Ridge Pin (R)</b>			
<b>1</b>	<b>MDR1</b>  <b>Features: D, 5</b>	<b>MAR1</b>  <b>Features: D, 5</b>	<b>HDR1</b>  <b>Features: D, 5</b>	<b>HAR1</b>  <b>Features: D, 5</b>
Style #	<b>Jumper Pin (J)</b>			
<b>1</b>		<b>MAJ1</b>  <b>Features: 5</b>		
<b>2</b>	<b>MDJ2</b>  <b>Features: 5</b>	<b>MAJ2</b>  <b>Features: 5</b>		
<b>3</b>		<b>MAJ3</b>  <b>Features: 6</b>		<b>HBJ3</b>  <b>Features: 6</b>
Features:	<b>B</b> = Bandable <b>5</b> = 11/16" Dia.	<b>C</b> = Cleats <b>6</b> = 13/16" Dia.	<b>D</b> = Double Nut	<b>K</b> = Keyhole

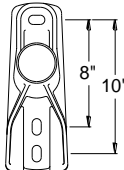
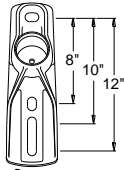
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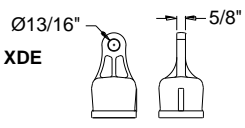
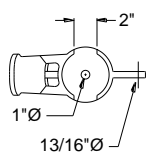
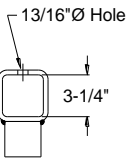
<b>Bases - Double Phase (2)</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style #	<b>15° Standoff (A)</b>			
<b>1</b>		<b>2MAA1</b>  Features: D, 5		<b>2HAA</b>  Features: D, 5
<b>2</b>	<b>2MDA2</b>  Features: D, 5			
<b>3</b>				<b>2HDA3</b>  Features: D, 5
Style #	<b>0° Standoff (0)</b>			
<b>1</b>				<b>2HA01</b>  Features: 5
<b>Features:</b> <b>B</b> = Bandable <b>C</b> = Cleats <b>D</b> = Double Nut <b>K</b> = Keyhole <b>5</b> = 11/16" Dia. <b>6</b> = 13/16" Dia.				

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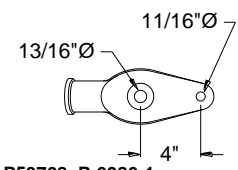
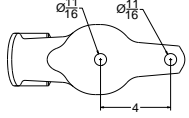
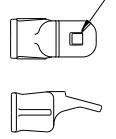
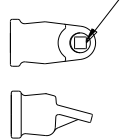
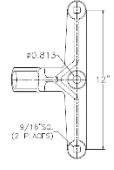
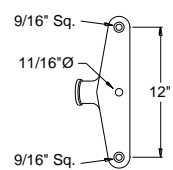
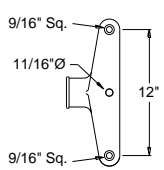
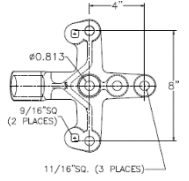
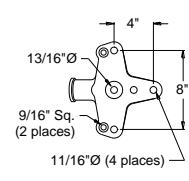
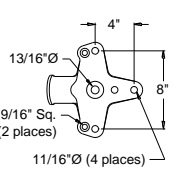
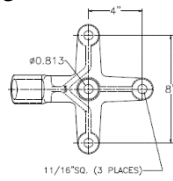
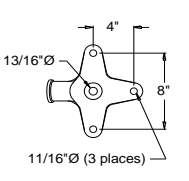
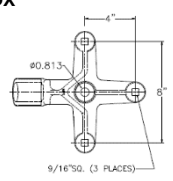
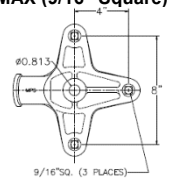
<b>Bases - Triple Phase (3)</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style #	<b>15° Standoff (A)</b>			
<b>1</b>		 <p>3MAA1 Features: K, 5</p>		 <p>3HAA1 Features: D, K, 5</p>
<b>2</b>				 <p>3HAA2 Features: D, K, 5</p>
Style #	<b>15° Vertical Standoff (V)</b>			
<b>1</b>	 <p>3MDV1 Features: D, 5</p>	 <p>3MAV1 Features: D, 5</p>	 <p>3HDV1 Features: D, 5</p>	 <p>3HAV1 Features: D, 5</p>
Style #	<b>0° Standoff (0)</b>			
<b>1</b>		 <p>3MA01 Features: 5</p>		
<b>2</b>		 <p>3MA02 Features: K, 5</p>		
<p>Features:      <b>B</b> = Bandable      <b>C</b> = Cleats      <b>D</b> = Double Nut      <b>K</b> = Keyhole                           <b>5</b> = 11/16" Dia.      <b>6</b> = 13/16" Dia.</p>				

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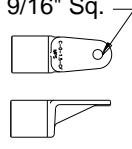
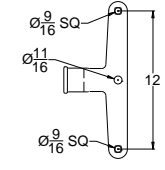
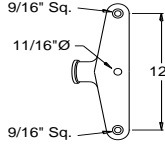
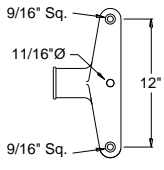
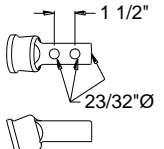
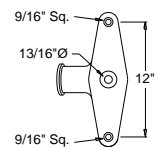
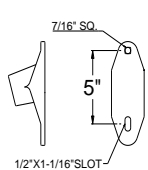
<b>Bases – Transmission Single Phase (1)</b>			
Rod Dia.	2.5" (X)		
Material	Iron (D)	Aluminum (A)	
Style #	<b>15° Standoff (A)</b>		
<b>1</b>		<p><b>XAA1</b></p>  <p>Features: D, 5</p>	
<b>2</b>	<p><b>XDA2</b></p>  <p>Features: D, 6</p>		
<p>Features:      <b>B</b> = Bandable                      <b>C</b> = Cleats                      <b>D</b> = Double Nut                      <b>K</b> = Keyhole                           <b>5</b> = 11/16" Dia.                      <b>6</b> = 13/16" Dia.</p>			

<b>End Fittings - Transmission</b>				
Rod Dia.	2.5" (X)		2.5" (X)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	<b>Suspension Eye (E)</b>		<b>15° Universal (U)</b>	
	<p><b>XDE</b></p> 			<p><b>XAU</b></p> 
	<b>Horizontal Post Insulator (H)</b>			
	<p><b>XSH</b></p> 			
	Material: Steel (S)			

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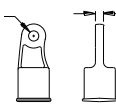
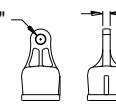
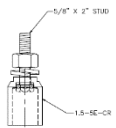

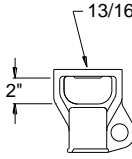
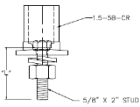


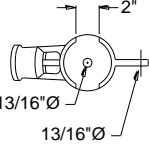
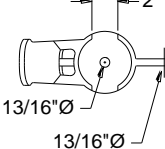
End Fittings - Cut-Out/Arrestor Type				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
<b>15° Single Apparatus (A), ALUMINUM ONLY</b>				
		<p><b>MAA</b></p>  <p>P59708, P-6386-1 BP6386R3</p>		<p><b>HAA</b></p>  <p>P62325A, *G1AC-2.00-11/16M PD1655AR1</p>
<b>15° Single Ear (C)</b>				
	<p><b>MDC</b></p> <p>9/16" Sq.</p> 	<p><b>MAC</b></p> <p>9/16" Sq.</p> 		
<b>15° Double Ear (D)</b>				
	<p><b>MDD</b></p> 	<p><b>MAD</b></p> <p>9/16" Sq.</p> <p>11/16" Ø</p> <p>12"</p> <p>9/16" Sq.</p> 		<p><b>HAD</b></p> <p>9/16" Sq.</p> <p>11/16" Ø</p> <p>12"</p> <p>9/16" Sq.</p> 
<b>15° Triple Ear (T)</b>				
	<p><b>MDT</b></p> 	<p><b>MAT</b></p> <p>13/16" Ø</p> <p>9/16" Sq. (2 places)</p> <p>11/16" Ø (4 places)</p> 		<p><b>HAT</b></p> <p>13/16" Ø</p> <p>9/16" Sq. (2 places)</p> <p>11/16" Ø (4 places)</p> 
<b>1.5 inches 15° Triple Ear Old Styles (G&amp;X) (No 2 inches size)</b>				
	<p><b>MDG</b></p> 	<p><b>MAG</b></p> <p>13/16" Ø</p> <p>11/16" Ø (3 places)</p> 	<p><b>MDX</b></p> 	<p><b>MAX (9/16" Square)</b></p> 

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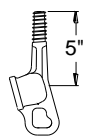
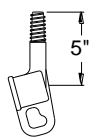
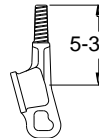
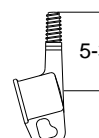
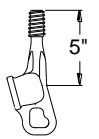
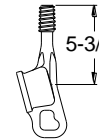
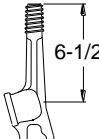
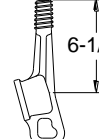
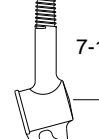
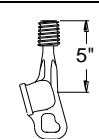
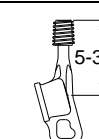

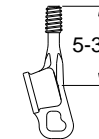
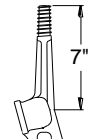
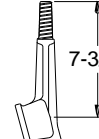
<b>End Fittings - Cut-Out/Arrestor Type</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
<b>0° Single Ear (C)</b>				
	<b>MD0C</b> 9/16" Sq. 			
<b>0° Double Ear (D)</b>				
	<b>MD0D</b> 	<b>MA0D (R/B P69909C)</b> 9/16" Sq. 11/16" Ø 9/16" Sq. 		<b>HA0D</b> 9/16" Sq. 11/16" Ø 9/16" Sq. 
<b>15° Tangent Messenger (B)</b>				
			<b>HDB</b> 	
<b>15° SCADA (K)</b>				
				<b>HAK</b> 9/16" Sq. 13/16" Ø 9/16" Sq. 
<b>15° Vertical (SD)</b>				
		<b>MSD</b> 		



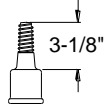
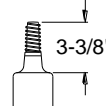
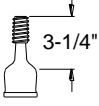
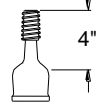
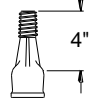
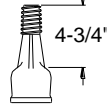
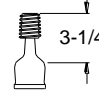
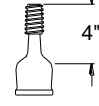
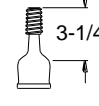
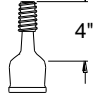
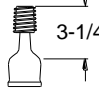
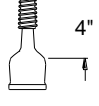
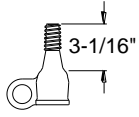
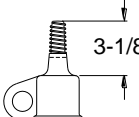
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<b>End Fittings - Other Type</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
<b>Suspension Eye (E)</b>				
		<b>MAE</b> Ø11/16" 	<b>HDE</b> Ø11/16" 	
<b>Fiber Optics (F)</b>				
	<b>MDF</b> 	<b>MAF</b> 5/8" x 2" Stud 		
<b>Horizontal Post Insulator (H)</b>				
				<b>HAH</b> 
<b>Post Insulator with Integral Stud (P)</b>				
	<b>MDP</b> 	<b>MAP</b> 5/8" x 2" Stud 		<b>HAP</b> 3/4"-10 Stud 
<b>15° Universal (U)</b>				
		<b>MAU</b> 		<b>HAU</b> 

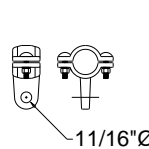
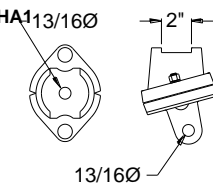
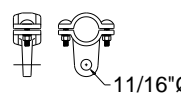
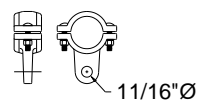
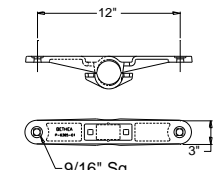
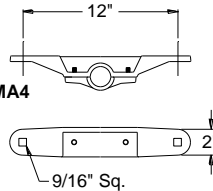
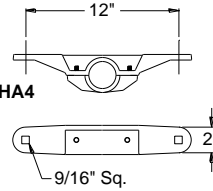
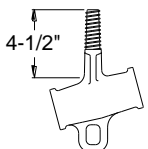
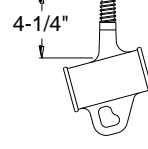
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<b>End Fittings - Vertical Pin Type</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Thread	<b>15° Vertical Pin (V)</b>			
<b>1</b>	<b>MDV1</b>  Thread: 1" Plastisol	<b>MAV1</b>  Thread: 1" Plastisol	<b>HDV1</b>  Thread: 1" Plastisol	<b>HAV1</b>  Thread: 1" Plastisol
<b>2</b>	<b>MDV2</b>  Thread: 1" Lead		<b>HDV2</b>  Thread: 1" Lead	
<b>3</b>	<b>MDV3</b>  Thread: 1-3/8" Plastisol		<b>HDV3</b>  Thread: 1-3/8" Plastisol	<b>HAV3</b>  Thread: 1 3/8" Plastisol
<b>4</b>	<b>MDV4</b>  Thread: 1-3/8" Lead		<b>HDV4</b>  Thread: 1-3/8" Lead	
<b>5</b>	<b>MDV5</b>  Thread: 1" Nylon		<b>HDV5</b>  Thread: 1" Nylon	
Thread	<b>15° Vertical Pin w/ Long Shank (L)</b>			
<b>1</b>	<b>MDL1</b>  Thread: 1" Plastisol		<b>HDL1</b>  Thread: 1" Plastisol	

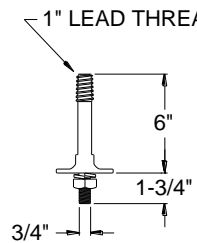
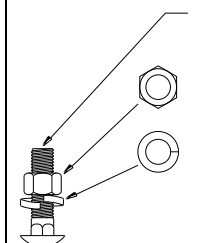
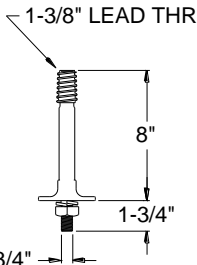
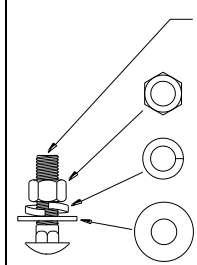
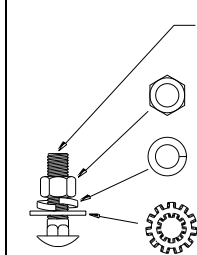
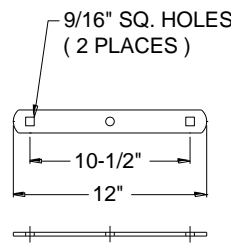
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<b>End Fittings - Straight Pin Type</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Thread	<b>Straight Pin (S)</b>			
<b>1</b>		<b>MAS1</b>  Thread: 1" Plastisol		<b>HAS1</b>  Thread: 1" Plastisol
<b>2</b>	<b>MDS2</b>  Thread: 1" Lead		<b>HDS2</b>  Thread: 1" Lead	
<b>3</b>		<b>MAS3</b>  Thread: 1-3/8" Plastisol		<b>HDS3</b>  Thread: 1-3/8" Plastisol
<b>4</b>	<b>MDS4</b>  Thread: 1-3/8" Lead		<b>HDS4</b>  Thread: 1-3/8" Lead	
<b>5</b>	<b>MDS5</b>  Thread: 1" Nylon		<b>HDS5</b>  Thread: 1" Nylon	
<b>6</b>	<b>MDS6</b>  Thread: 1-3/8" Nylon		<b>HDS6</b>  Thread: 1-3/8" Nylon	
Thread	<b>Straight Pin w/ Side Eye (M)</b>			
<b>1</b>		<b>MAM1</b>  Thread: 1" Plastisol		<b>HAM1</b>  Thread: 1" Plastisol

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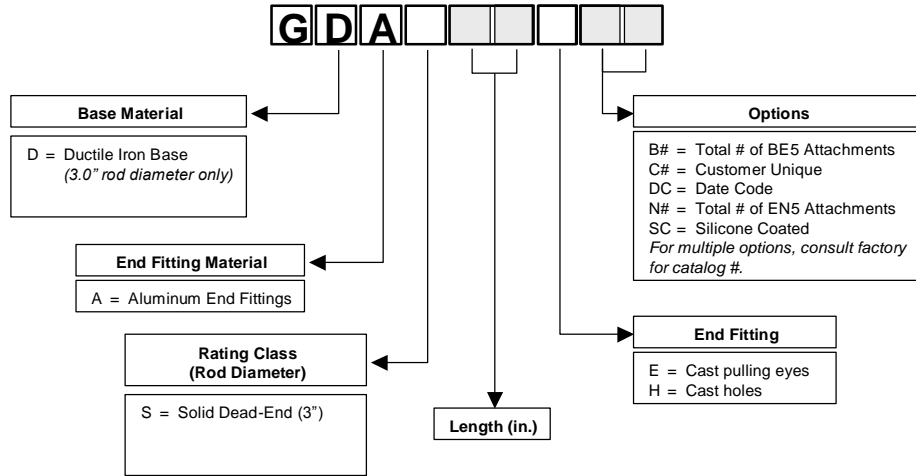
<b>Options - Adapter Fittings (A#)</b>				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
<b>Suspension Eye Collar (Parallel Eye)</b>				
<b>1</b>		<b>MA1</b>  1 1/16"Ø		<b>HA1</b> 13/16Ø  13/16Ø
<b>Suspension Eye Collar (Perpendicular Eye)</b>				
<b>2</b>		<b>MA2</b>  1 1/16"Ø		<b>HA2</b>  1 1/16"Ø
<b>0° Cut-Out/Arrestor Collar</b>				
<b>3</b>			For HA3: <b>P59687</b> <b>P6365-01</b> <b>DP6365R0</b>  <b>P59688</b> <b>P-6365-02</b> <b>DP6365R0</b>	<b>HA3</b>  12" 9/16" Sq.
<b>15° Cut-Out/Arrestor Collar</b>				
<b>4</b>		<b>MA4</b>  12" 9/16" Sq.		<b>HA4</b>  12" 9/16" Sq.
<b>Alley Arm 15° Mid-Phase Vertical Pin</b>				
Note: Material will be equivalent to end fitting material.				
<b>Consult factory for catalog number.</b>			 4-1/2"	 4-1/4"

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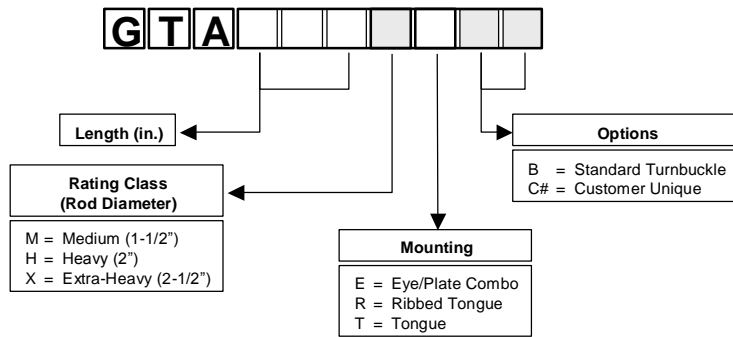
<b>Options</b>			
Option #	Insulator Pin (P#)	Option #	Hardware
<b>P1</b>	 <p style="text-align: center;">1" LEAD THREADS</p> <p style="text-align: center;">6"</p> <p style="text-align: center;">1-3/4"</p> <p style="text-align: center;">3/4"</p> <p style="text-align: center;"><b>Material: Steel</b></p>	<b>B</b> Standard	 <ul style="list-style-type: none"> <li>1/2" x 2" CARRIAGE BOLT</li> <li>1/2" HEX NUT</li> <li>1/2" LOCK WASHER</li> </ul> <p style="text-align: center;"><b>Material: Steel</b></p>
<b>P2</b>	 <p style="text-align: center;">1-3/8" LEAD THREADS</p> <p style="text-align: center;">8"</p> <p style="text-align: center;">1-3/4"</p> <p style="text-align: center;">3/4"</p> <p style="text-align: center;"><b>Material: Steel</b></p>	<b>F</b> (B + Flat Washer)	 <ul style="list-style-type: none"> <li>1/2" x 2" CARRIAGE BOLT</li> <li>1/2" HEX NUT</li> <li>1/2" LOCK WASHER</li> <li>1/2" FLAT WASHER</li> </ul> <p style="text-align: center;"><b>Material: Steel</b></p>
		<b>W</b> (B + Star Washer)	 <ul style="list-style-type: none"> <li>1/2" x 2" CARRIAGE BOLT</li> <li>1/2" HEX NUT</li> <li>1/2" LOCK WASHER</li> <li>1/2" STAR WASHER</li> </ul> <p style="text-align: center;"><b>Material: Steel</b></p>
Option #	<b>Strap</b>		
<b>S</b>	 <p style="text-align: center;">9/16" SQ. HOLES ( 2 PLACES )</p> <p style="text-align: center;">10-1/2"</p> <p style="text-align: center;">12"</p> <p style="text-align: center;"><b>Material: Steel</b></p>		

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### Deadend Crossarm Assemblies



### Transmission Crossarm Assemblies

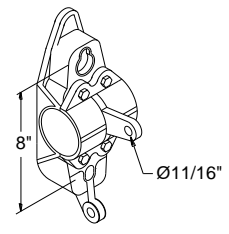


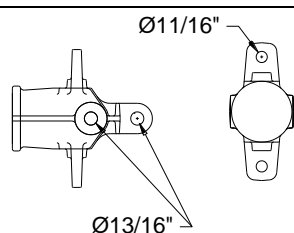
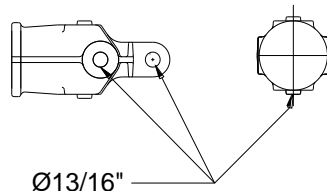
**Standard Materials**

Aluminum: A356-T6  
 Coating: Polyurethane w/ ultra-violet protection, MPS Gray  
           SC option - Vulcanized silicone rubber, gray  
 Ductile Iron: Grade 65-45-12 w/ hot dip galvanized per ASTM A153  
 Hardware: Steel w/ hot dip galvanized per ASTM A153  
 Rod: Fiberglass  
 Steel: Grade A36 w/ hot dip galvanized per ASTM A153

*NOTE: Product specifications are subject to continuous improvement and may be changed at any time without notification.*

Rev: 06/2014

<b>Bases - Deadend Crossarm</b>	
Rod Dia.	3.0" (S)
Material	Iron (D)
Features: B, D, K, 5	
Features:	<b>B</b> = Bandable <b>C</b> = Cleats <b>D</b> = Double Nut <b>K</b> = Keyhole <b>5</b> = 11/16" Dia. <b>6</b> = 13/16" Dia.

<b>End Fittings – Deadend Crossarm</b>	
Rod Dia.	3.0" (S)
Material	Aluminum (A)
<b>E</b>	
<b>H</b>	

<b>Adapter Fittings – Deadend Crossarm</b>		
Note 1: Consult factory for catalog number. Note 2: Adapters are only available for 3.0" diameter rod or tube and in aluminum.		
