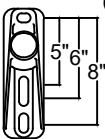
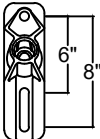
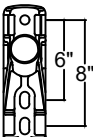
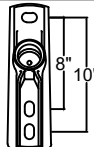
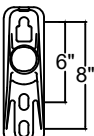
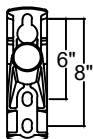
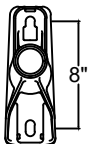
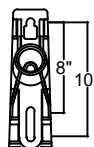
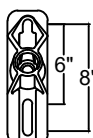
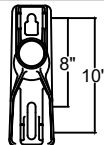
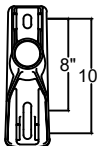
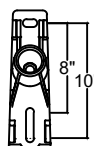
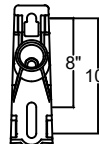


Single, Double & Triple Phase Brackets

# of Phases 1 = Single Phase 2 = Double Phase 3 = Triple Phase Rating Class (Rod Diameter) M = Medium (1 1/2") H = Heavy (2") X = Extra Heavy (2 1/2") Options A = Adapter # <i>See Adapter Index</i> B = Standard Hardware BC = B + SC BX = Boxed C# = Customer Unique D = Date Code E = Different Angled End F = B + Flat Washer G = 3/8" Grounding Hole H = Stainless Hardware P# = Insulator Pin# <i>See Options Index</i> R = Wood Crate S = Strap SB = B + S SC = Silicone Coating T = B + S + SC W = B + Star Washer WC = W + SC X = Extra hardware																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">Base (3 digits)</th> </tr> <tr> <th>Material (1st digit)</th> <th>Type (2nd digit)</th> <th>Style (3rd digit)</th> </tr> <tr> <td>A = Aluminum D = Ductile Iron</td> <td>0 = 0° Standoff A = 15° Standoff V = 15° Vertical Standoff (3 phase only) J = Jumper Pin R = Ridge Pin</td> <td><i>Reference Base Index for Style Numbers</i></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">End Fitting (2 or 3 digits)</th> </tr> <tr> <th>Material (1st digit)</th> <th>Type (2nd digit)</th> <th>Thread (3rd digit)</th> </tr> <tr> <td>A = Aluminum D = Ductile Iron M = A + D</td> <td> <u>Cut-Out / Arrestor:</u> A = 15° Single Apparatus B = 15° Tangent Messenger C = 0° or 15° Single Ear D = 0° or 15° Double Ear G = 15° Triple Ear (Old Style) K = 15° SCADA Bracket T = 15° Triple Ear <u>Other:</u> E = Suspension Eye F = Fiber Optics H = Horizontal Post Insulator P = Post Insulator with Integral Stud U = 15° Universal Pin <u>(3rd digit):</u> L = 15° Vertical (Long shank) M = Straight w/ side eye S = Straight V = 15° Vertical <u>Combination (3rd digit):</u> X = S + E (Double Phase) Y = S + V (Double Phase) S + 2V (Triple Phase) </td> <td> 1 = 1" Plastisol 3 = 1 3/8" Plastisol 5 = 1" Nylon 6 = 1 3/8" Nylon <i>Thread #2 and #4 (lead) were made obsolete.</i> </td> </tr> </table>												Base (3 digits)			Material (1st digit)	Type (2nd digit)	Style (3rd digit)	A = Aluminum D = Ductile Iron	0 = 0° Standoff A = 15° Standoff V = 15° Vertical Standoff (3 phase only) J = Jumper Pin R = Ridge Pin	<i>Reference Base Index for Style Numbers</i>	End Fitting (2 or 3 digits)			Material (1st digit)	Type (2nd digit)	Thread (3rd digit)	A = Aluminum D = Ductile Iron M = A + D	<u>Cut-Out / Arrestor:</u> A = 15° Single Apparatus B = 15° Tangent Messenger C = 0° or 15° Single Ear D = 0° or 15° Double Ear G = 15° Triple Ear (Old Style) K = 15° SCADA Bracket T = 15° Triple Ear <u>Other:</u> E = Suspension Eye F = Fiber Optics H = Horizontal Post Insulator P = Post Insulator with Integral Stud U = 15° Universal Pin <u>(3rd digit):</u> L = 15° Vertical (Long shank) M = Straight w/ side eye S = Straight V = 15° Vertical <u>Combination (3rd digit):</u> X = S + E (Double Phase) Y = S + V (Double Phase) S + 2V (Triple Phase)	1 = 1" Plastisol 3 = 1 3/8" Plastisol 5 = 1" Nylon 6 = 1 3/8" Nylon <i>Thread #2 and #4 (lead) were made obsolete.</i>
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Standard Materials:
Aluminum: A356-T6
Ductile Iron: Grade 65-45-12 with hot dip galvanized per ASTM A153
Steel: Grade A36 with hot dip galvanized per ASTM A153
Rod: Fiberglass
Hardware: Steel with hot dip galvanized per ASTM A153
Coating: Polyurethane with ultra-violet protection, MPS gray
SC option - Vulcanized silicone rubber, gray

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

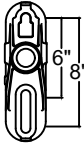
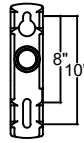
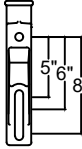
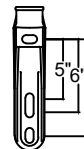
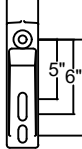
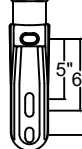
Bases - Single Phase (1)					
Rod Dia.	1.5" (M)		2.0" (H)		
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)	
Style	15° Standoff (A)				
1	MDA1  Features: C, 5	MAA1  Features: B, D, 5			
2		MAA2  Features: B, D, 5	HDA2  Features: D, 6		
3	MDA3  Features: B, K, 5	MAA3  Features: B, D, K, 5	HDA3  Features: B, D, K, 5	HAA3  Features: B, D, K, 5	
4		MAA4  Features: K, 5	HDA4  Features: B, D, K, 5		
5			HDA5  Features: B, D, 5	HAA5  Features: B, D, 5	
6				HAA6  Features: B, D, K, 6	

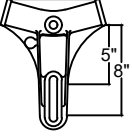
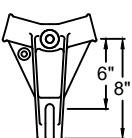
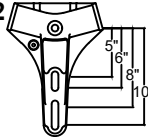
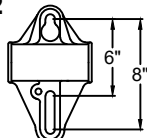
Features: B = Bandable
5 = 11/16" Dia.

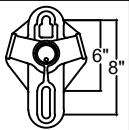
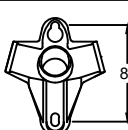
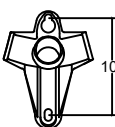
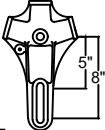
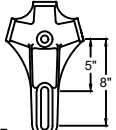
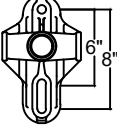
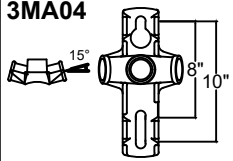
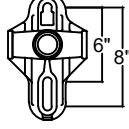
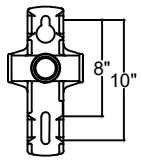
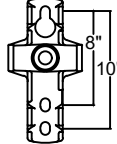
C = Cleats
6 = 13/16" Dia.

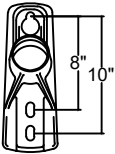
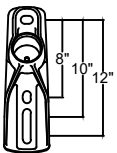
D = Double Nut

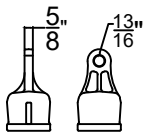
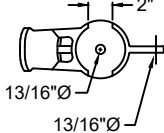
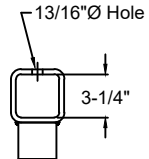
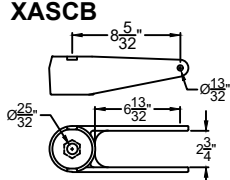
K = Keyhole

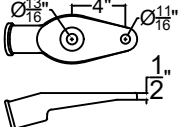
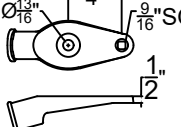
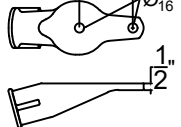
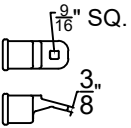
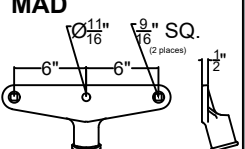
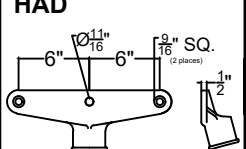
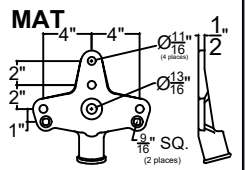
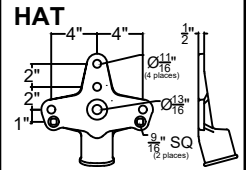
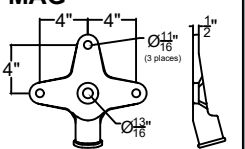
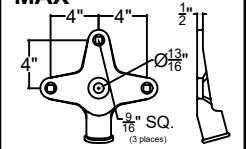
Bases - Single Phase (1)				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	0° Standoff (0)			
1		MA01  Features: B, K, 5		
2		MA02  Features: B, K, 5		
Style	Ridge Pin (R)			
1	MDR1  Features: D, 5	MAR1  Features: D, 5	HDR1  Features: D, 5	HAR1  Features: D, 5
Style	Jumper Pin (J)			
1		MAJ1  Features: 5		
2	MDJ2  Features: 5	MAJ2  Features: 5		
3		MAJ3  Features: 6		HAJ3  Features: 6
Features: B = Bandable 5 = 11/16" Dia. C = Cleats 6 = 13/16" Dia. D = Double Nut K = Keyhole				

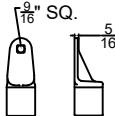
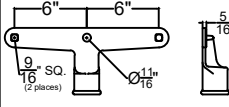
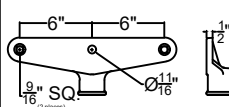
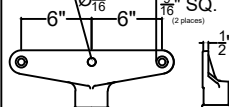
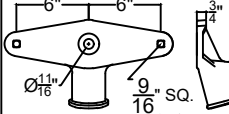
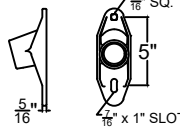
Bases - Double Phase (2)				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	15° Standoff (A)			
1	2MDA1  Features: B, 5	2MAA1  Features: D, 5		
2			2HDA2  Features: D, 5	
3				
Style	0° Standoff (0)			
1				
2				2HA02  Features: K, 5
Features: B = Bandable 5 = 11/16" Dia. C = Cleats 6 = 13/16" Dia. D = Double Nut K = Keyhole				

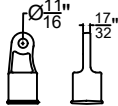
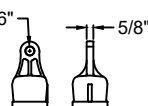
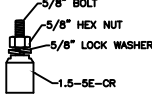
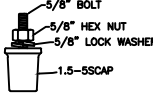
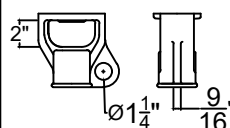
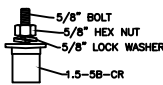
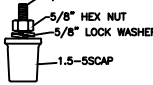
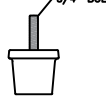
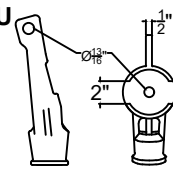
Bases - Triple Phase (3)				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	15° Standoff (A)			
1		3MAA1  Features: K, 5		3HAA1  Features: D, K, 5
2				3HAA2  Features: D, K, 5
15° Vertical Standoff (V)				
1	3MDV1  Features: D, 5		3HDV1  Features: D, 5	
Style	0° Standoff (0), ALUMINUM ONLY			
1	3MA01  Features: 5	4	3MA04  Features: B, K, 6	
2	3MA02  Features: K, 5	5	3MA05  Features: B, K, 5	
3	3MA03  Features: B, K, 5			
Features: B = Bandable 5 = 11/16" Dia. C = Cleats 6 = 13/16" Dia. D = Double Nut K = Keyhole				

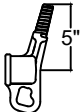
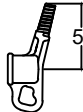
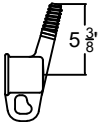
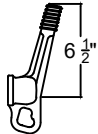
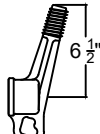
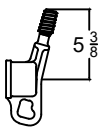
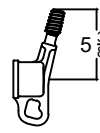
Bases - Transmission Single Phase (1)			
Rod Dia.	2.5" (X)		
Material	Iron (D)	Aluminum (A)	
Style	15° Standoff (A)		
1		XAA1  Features: D, K, 5	
2	XDA2  Features: D, 6		
Features: B = Bandable 5 = 11/16" Dia. C = Cleats 6 = 13/16" Dia. D = Double Nut K = Keyhole			

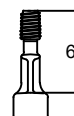
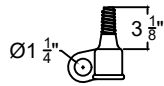
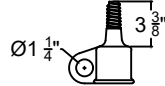
End Fittings - Transmission				
Rod Dia.	2.5" (X)		2.5" (X)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	Suspension Eye (E)		15° Universal (U)	
1	XDE 		XAU 	
Style	Horizontal Post Insulator (H)		Spacer Cable Bracket (SCB)	
1	XSH 		XASCB 	

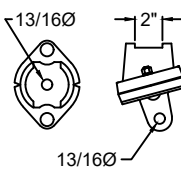
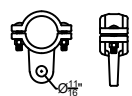
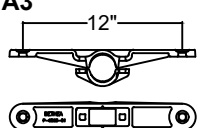
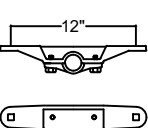
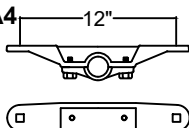
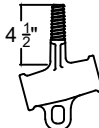
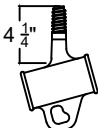
End Fittings - Cut-Out/Arrestor Type				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	15° Single Apparatus (A), ALUMINUM ONLY			
1-2	MAA2 	MAA 		HAA 
Style	15° Single Ear (C)			
1	MDC 			
Style	15° Double Ear (D)			
1		MAD 		HAD 
Style	15° Triple Ear (T)			
1		MAT 		HAT 
Style	15° Triple Ear Old Style (G&X), 1.5" ONLY			
1		MAG 		MAX 

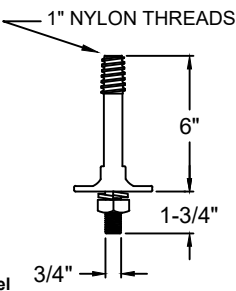
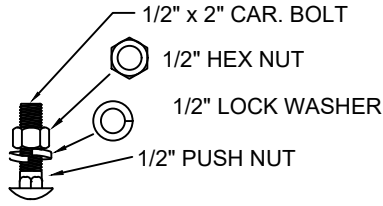
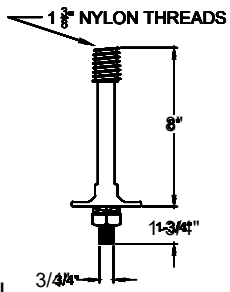
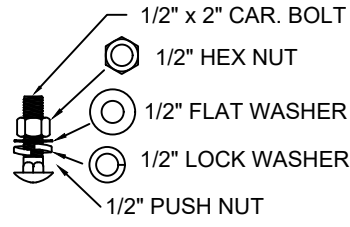
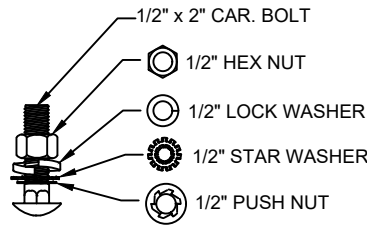
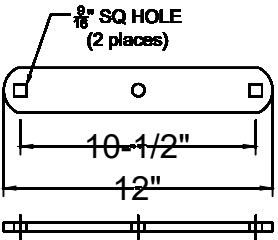
End Fittings - Cut-Out/Arrestor Type				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	0° Single Ear (C)			
1	MD0C 			
Style	0° Double Ear (D)			
1	MD0D 		MA0D 	HA0D 
Style	15° Tangent Messenger (B)			
1				
Style	15° SCADA (K)			
1				HAK 
Style	15° SLOTTED DOUBLE EAR (SD)			
1			MDD 	

End Fittings - Other Types				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	Suspension Eye (E)			
1		MAE 	HDE 	
Style	Fiber Optics (F)			
1	MDF 	MAF 		
Style	Horizontal Post Insulator (H)			
1				HAH 
Style	Post Insulator with Integral Stud (P)			
1	MDP 	MAP 		HAP 
Style	15° Universal (U)			
1				HAU 

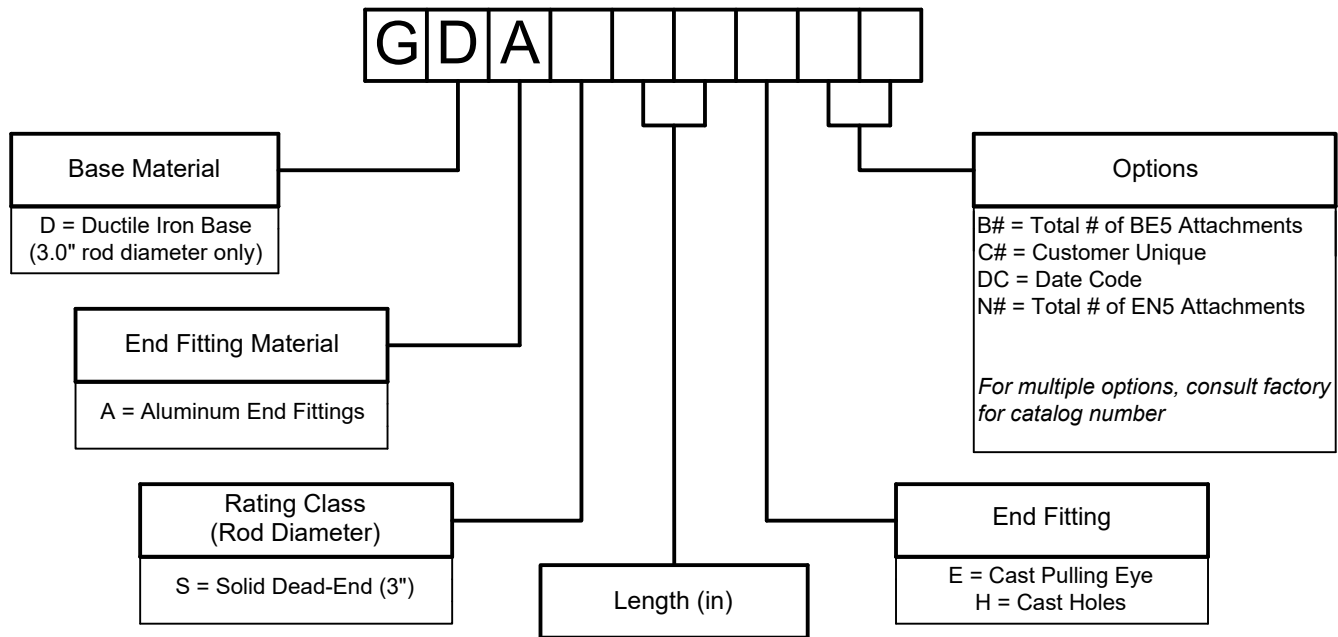
End Fittings - Vertical Pin Type				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	15° Vertical Pin (V)			
1	MDV1  THREAD-1" PLASTISOL	MAV1  THREAD-1" PLASTISOL		HAV1  THREAD-1" PLASTISOL
2				
3	MDV3  THREAD-1 3/8" PLASTISOL		HDV3  THREAD-1 3/8" PLASTISOL	
4				
5	MDV5  THREAD-1" NYLON		HDV5  THREAD-1" NYLON	
6				
Style	15° Vertical Pin w/ Long Shank (L)			
1				

End Fittings - Straight Pin Type				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	Straight Pin (S)			
1		MAS1  THREAD-1" PLASTISOL		HAS1  THREAD-1" PLASTISOL
2				
3		MAS3  THREAD-1 3/8" PLASTISOL	HDS3  THREAD-1 3/8" PLASTISOL	
4				
5	MDS5  THREAD-1" NYLON	C	HDS5  THREAD-1" NYLON	C
6			HDS6  THREAD-1 3/8" NYLON	
Style	Straight Pin w/ Side Eye (M)			
1		MAM1  THREAD-1" PLASTISOL		HAM1  THREAD-1" PLASTISOL

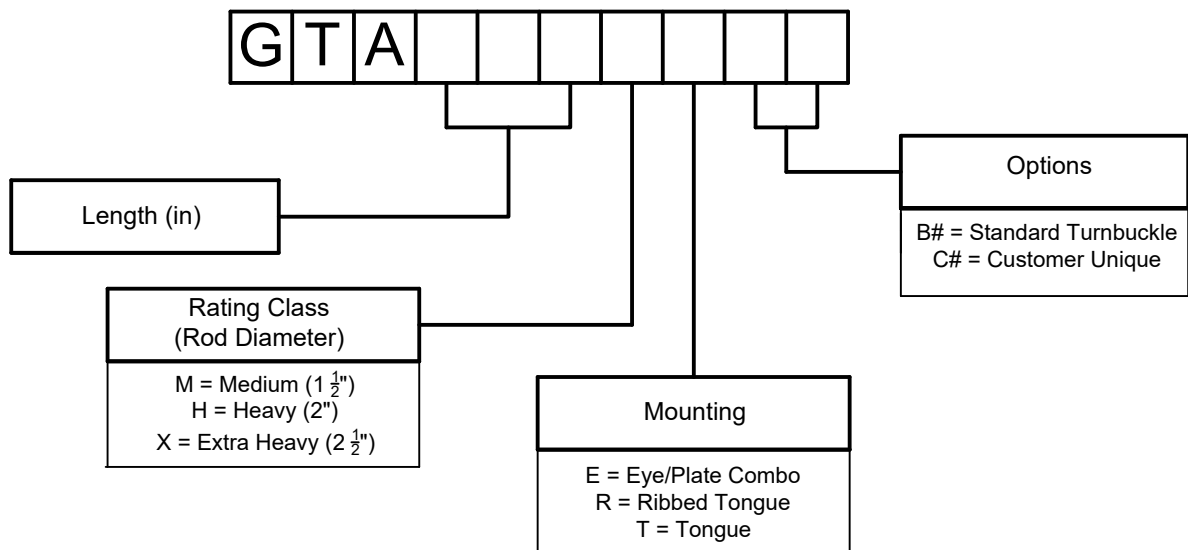
Options - Adapter Fittings (A#)				
Rod Dia.	1.5" (M)		2.0" (H)	
Material	Iron (D)	Aluminum (A)	Iron (D)	Aluminum (A)
Style	Suspension Eye Collar (Parallel Eye)			
1		MA1 		HA1 
Style				
2		MA2 		HA2 
Style	0° Cut-Out / Arrestor Collar			
3				HA3 
Style	15° Cut-Out / Arrestor Collar			
4		MA4 		HA4 
Style	Alley Arm 15° Mid-Phase Vertical Pin			
Consult Factory for Catalog Number			 THREAD-1" PLASTISOL	 THREAD-1" PLASTISOL

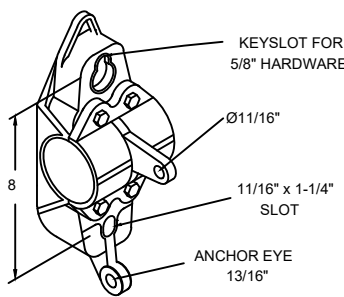
Options			
Option #	Insulator Pin Style	Option #	Hardware
P1	 1" NYLON THREADS 6" 1-3/4" 3/4" Material: Steel	B	 1/2" x 2" CAR. BOLT 1/2" HEX NUT 1/2" LOCK WASHER 1/2" PUSH NUT Material: Steel
P2	 1 3/8" NYLON THREADS 8" 1-3/4" 3/4" Material: Steel	F	 1/2" x 2" CAR. BOLT 1/2" HEX NUT 1/2" FLAT WASHER 1/2" LOCK WASHER 1/2" PUSH NUT Material: Steel
		W	 1/2" x 2" CAR. BOLT 1/2" HEX NUT 1/2" LOCK WASHER 1/2" STAR WASHER 1/2" PUSH NUT Material: Steel
Option #	strap		
S	 3/16" SQ HOLE (2 places) 10 1/2" 12" Material: Steel		

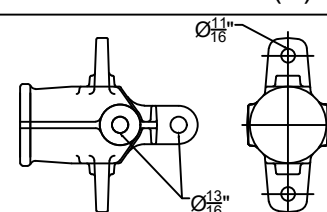
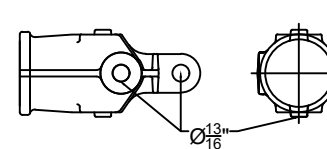
Deadend Crossarm Assemblies



Deadend Crossarm Assemblies



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

End Fittings - Deadend Crossarm	
Rod Dia.	3.0" (S)
Material	Aluminum (A)
E	
H	

Adapter Fittings - Deadend Crossarm			
Note 1: Consult factory for catalog numbers. Note 2: Adapters are only available for 3.0" diameter rod or tube in aluminum			
