

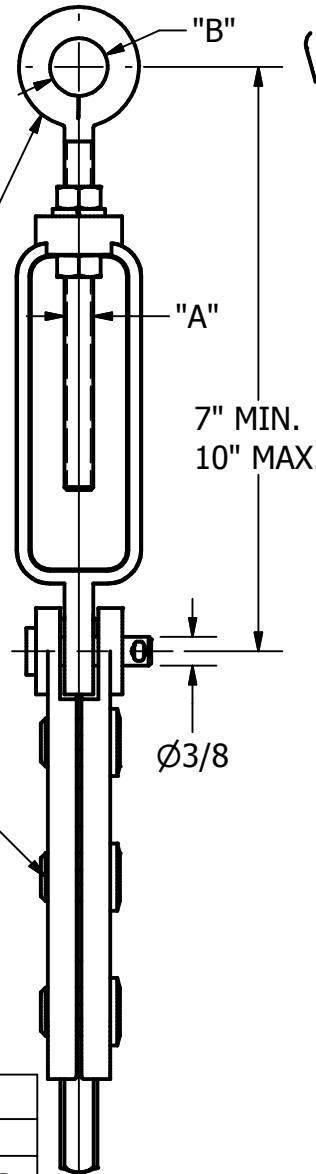
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ITEM NO

DWG NO
B-6554
B-7556

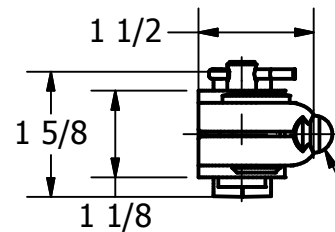
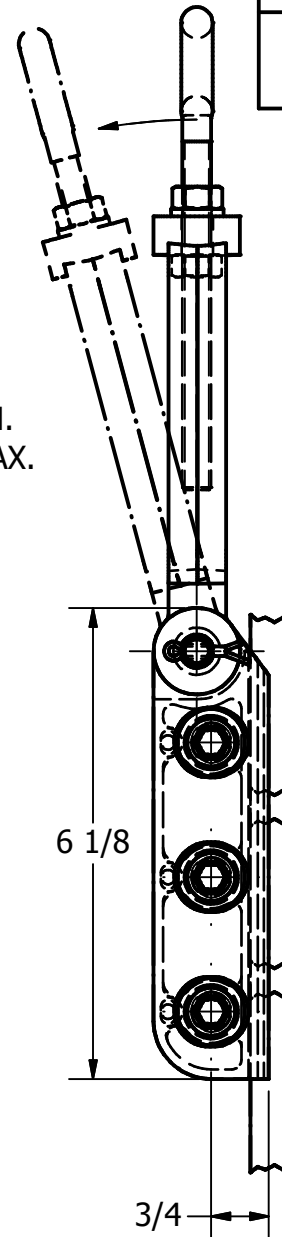


SAFE WORKING LOAD "F"



STUD, 5/8-18NF-2A, ST STL
(SCAT-63-SS)

Ø3/8



4/0 TO 336.4 MCM
GROOVED TROLLEY WIRE

EYE BOLT SIZE			
CATALOG #	A	B	F
ACIM34T	3/8-16	.75" D	1,160 LBS
ACIM34T-M	1/2-13	1" D	2,150 LBS

MATERIAL:
ALUMINUM BRONZE ASTM B30.
EYE BOLT, NUTS AND LOCK WASHER
-STAINLESS STEEL
CLEVIS PIN-GALVANIZED STEEL
COTTER KEY-STAINLESS STEEL

TORQUE STUDS 45 FT-LBS

2.58 LBS

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS				
REV	DESCRIPTION	DATE	BY	APR
3	RE- DRAWN IN INVENTOR	1-14-10	LK	EP

DRN BY:
ES
DRN DATE:
1-27-92
CHK BY:
HJ
CHK DATE:
1-27-92

FAFL

DOSSERT®

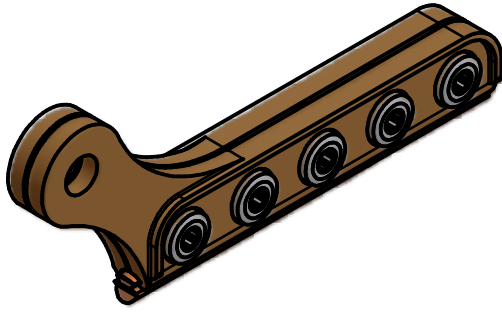
CLAMP, ANCHOR LIGHT DUTY

REV
3

ACIM34T, ACIM34T-M

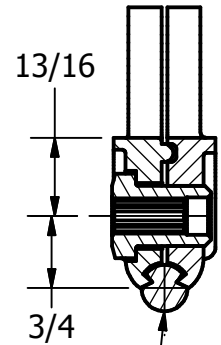
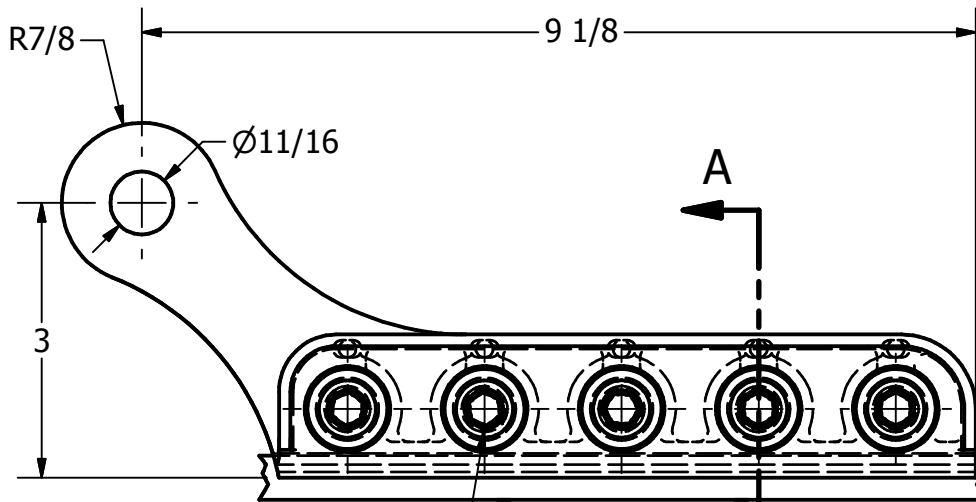
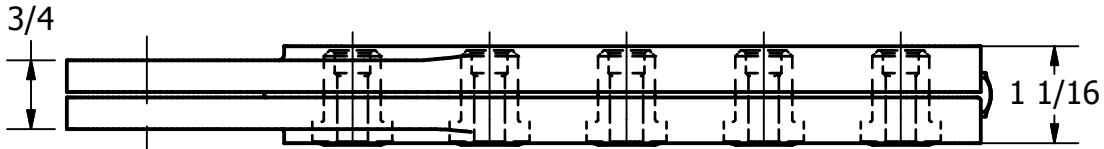
1 OF 1

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ITEM NO

DWG NO
B-7953



4/0 TO 336.4 MCM
GROOVED TROLLEY WIRE

STUD, 5/8-18NF-2A, ST STL
(SCAT-63-SS)

SECTION A-A

MATERIAL:
ALUMINUM BRONZE ASTM B30.

TORQUE STUD 45 FT-LBS

3.22 LBS

MIN ULTIMATE STRENGTH LOAD

F1= 9,180 LBS

MAX. WORKING LOAD

F2=3,672 LBS

SAFETY FACTOR

2.5

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
4	RE-DRAWN IN INVENTOR	1-15-10	LK	EP

DRN BY:
CV
DRN DATE:
2-2-95
CHK BY:
HJ
CHK DATE:
2-6-95

FAFL

DOSSERT®

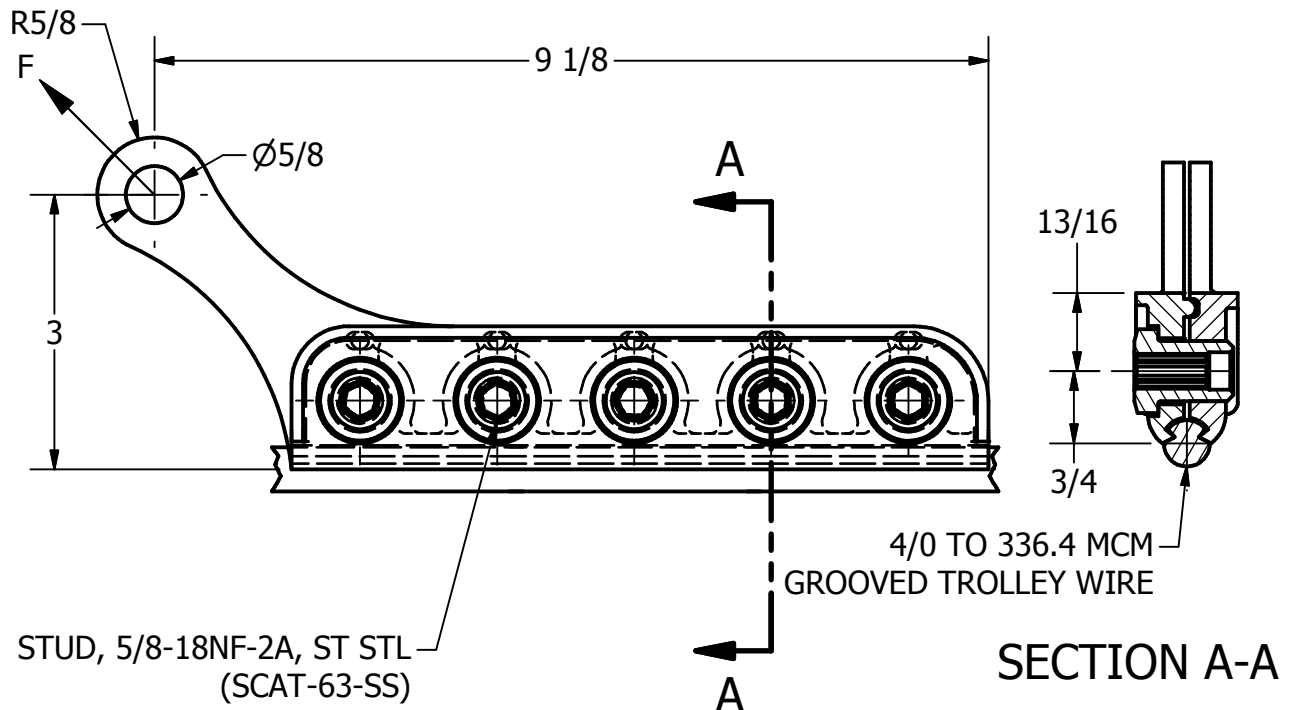
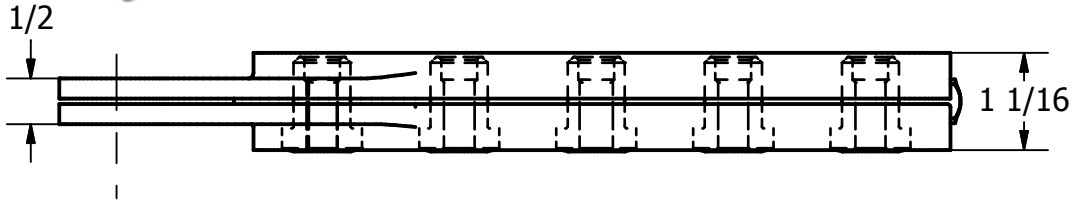
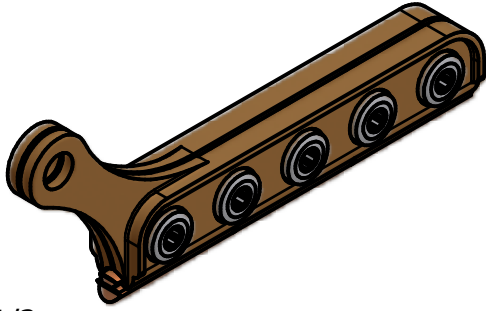
CLAMP, AUXILIARY TROLLEY WIRE

REV
4

AETC34T

1 OF 1

ITEM NO

DWG NO
B-8180

MATERIAL:
ALUMINUM BRONZE ASTM B30.

MIN ULTIMATE STRENGTH LOAD
F= 4,690 LBS

TORQUE STUDS 45 FT-LBS

2.65 LBS

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LOCATION					CONTRACT NO		CUST / CONTR	
REVISIONS					DRN BY: ET DRN DATE: 10-24-96 CHK BY: AG CHK DATE: 10-24-96	FAFL DOSSERT®		
REV	DESCRIPTION	DATE	BY	APR				
3	RE-DRAWN IN INVENTOR	1-15-10	LK	EP		CLAMP, CONTACT WIRE STRAIN		
					REV 3	CWSC34T	1 OF 1	

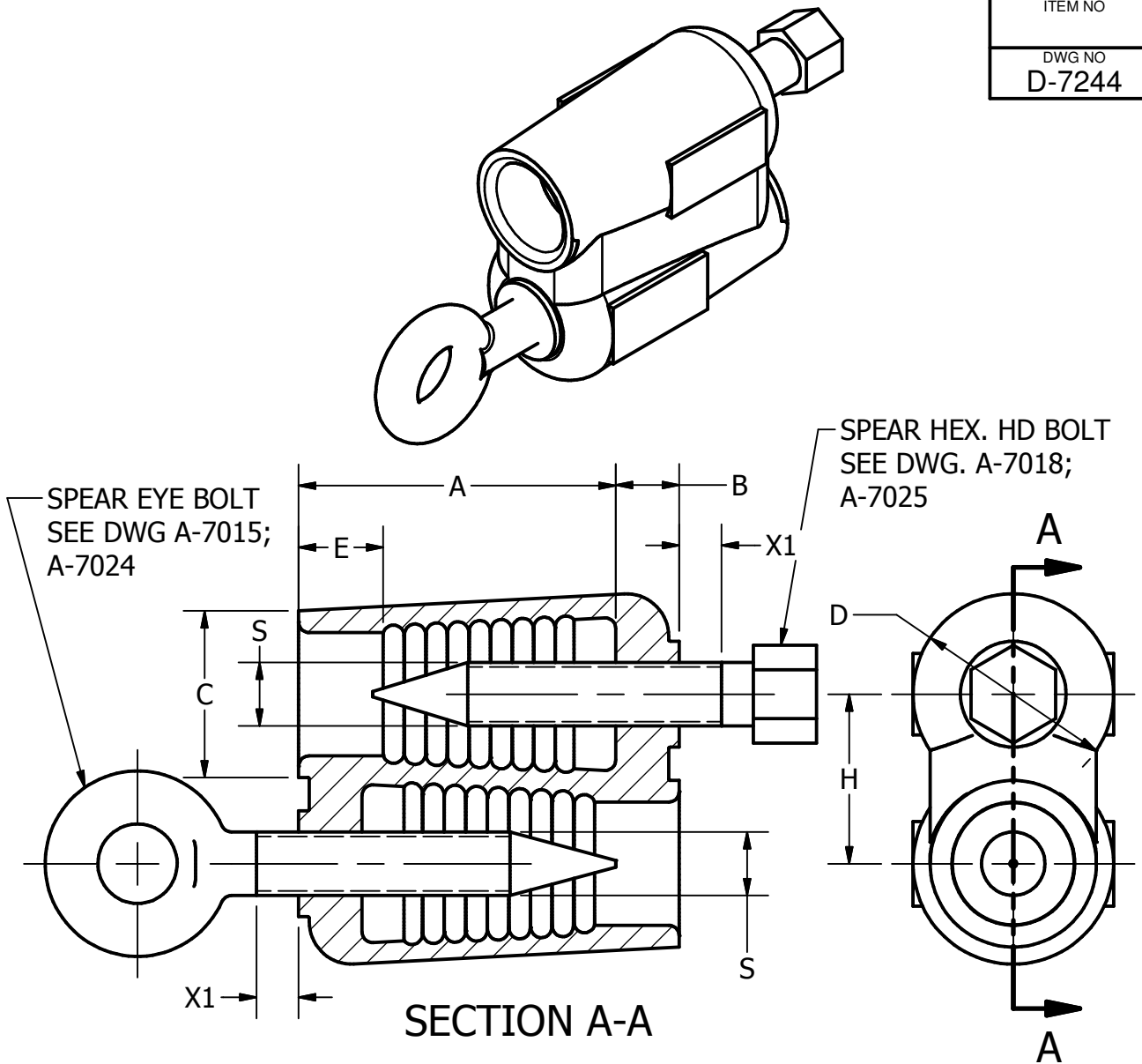
DRN BY:
ET
DRN DATE:
10-24-96
CHK BY:
AG
CHK DATE:
10-24-96

REV
3

ITEM NO

DWG NO
D-7244

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CATALOG #	CABLE SIZE	A	B	C	D	E	H	S	X1
DE2CS50-PI	500 MCM	2 5/8	5/8	1 3/16	1 5/8	1/2	1 3/8	5/8-11	1 3/8
DE2CS150-PI	1500 MCM	3 3/4	3/4	2	2 3/8	1	2	3/4 -10	1/2

MATERIAL:
ALUMINUM BRONZE ASTM B30

DE2CS150-PI: 7.32 LBS

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
2	RE-DRAWN IN INVENTOR	2-18-10	LK	EP

DRN BY:
CV
DRN DATE:
3-9-93
CHK BY:
HJ
CHK DATE:
3-9-93

FAFL

DOSSERT®

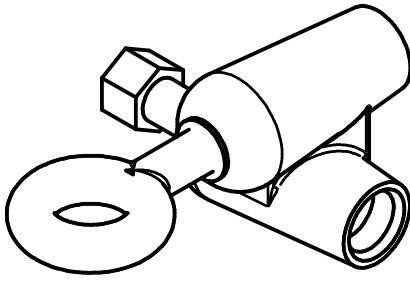
SOCKET, CABLE PARALLEL DEAD END

REV
2

DE2CS-PI SERIES

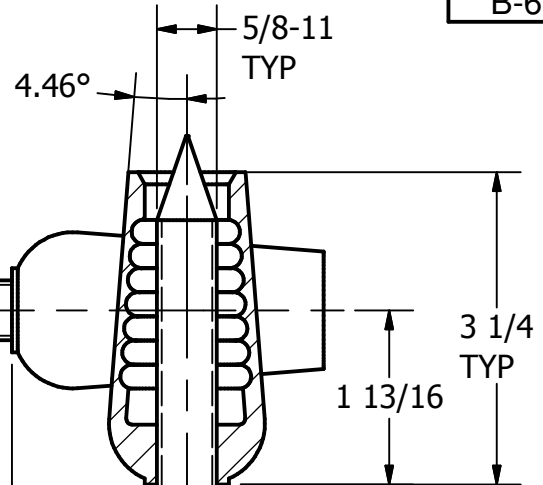
1 OF 1

ITEM NO

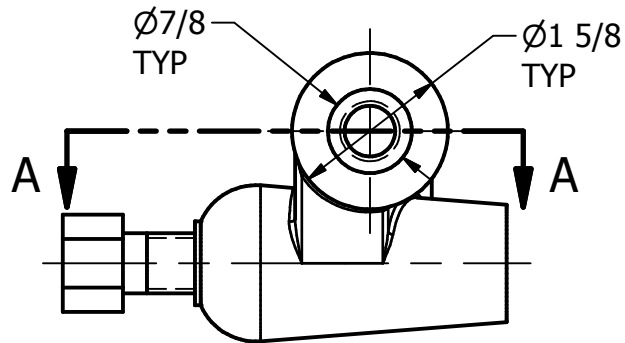
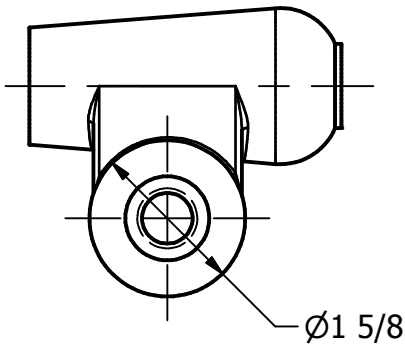
DWG NO
B-6789

SPEAR HEX. HD BOLT
SEE DWG. A-7018

SPEAR EYE BOLT
SEE DWG. A-7015



SECTION A-A



MATERIAL:
ALUMINUM BRONZE ASTM B30

CABLE SIZE:
(2) 500 MCM- (.814 DIA)

2.85 LBS

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
2	RE-DRAWN IN INVENTOR	1-18-10	LK	EP

DRN BY:
ES
DRN DATE:
9-16-85
CHK BY:
HJ
CHK DATE:
9-16-85

FAFL**DOSSERT®**

SOCKET, CABLE CROSS DEAD END

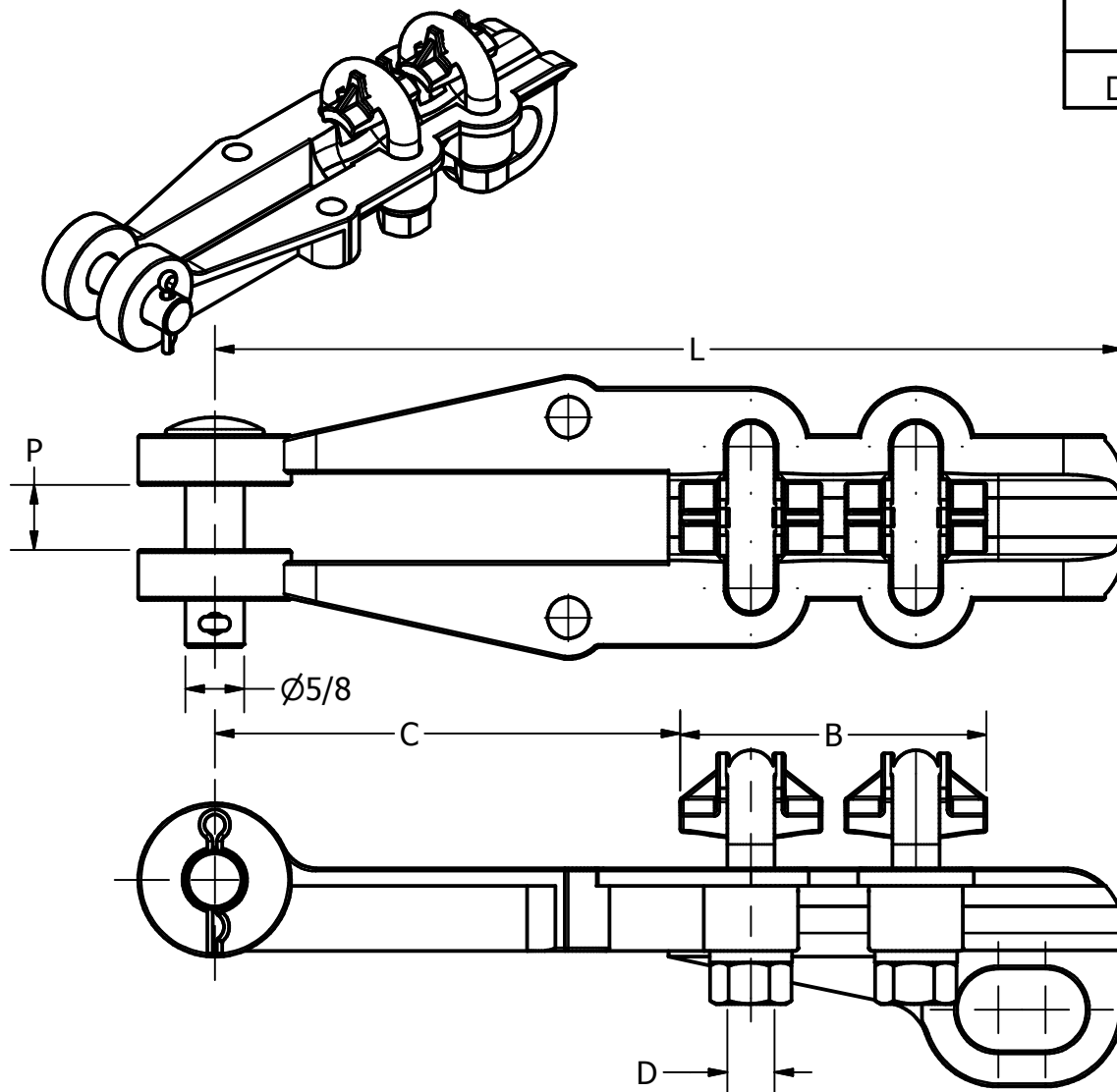
REV
2

DE2CS50-X

1 OF 1

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ITEM NO

DWG NO
D-4404

CATALOG #	CABLE RANGE	B	C	L	P	D	# UBOLT
DEC21	2/0 STR-4/0 STR	3	4 5/8	9 1/8	11/16	1/2-13	2
DEC50	4/0 STR-500MCM	3 1/4	4 15/16	9 5/8	11/16	1/2-13	2
DEC100	500MCM-1000MCM	5 1/4	6 3/4	12	13/16	1/2-13	3

MATERIAL

ALUMINUM BRONZE ASTM B30
 U-BOLTS, NUTS, & LOCKWASHERS -
 GALVANIZED HIGH STRENGTH STEEL
 CLEVIS PIN-GALVANIZED STEEL
 COTTER KEY-STAINLESS STEEL

NOTE:

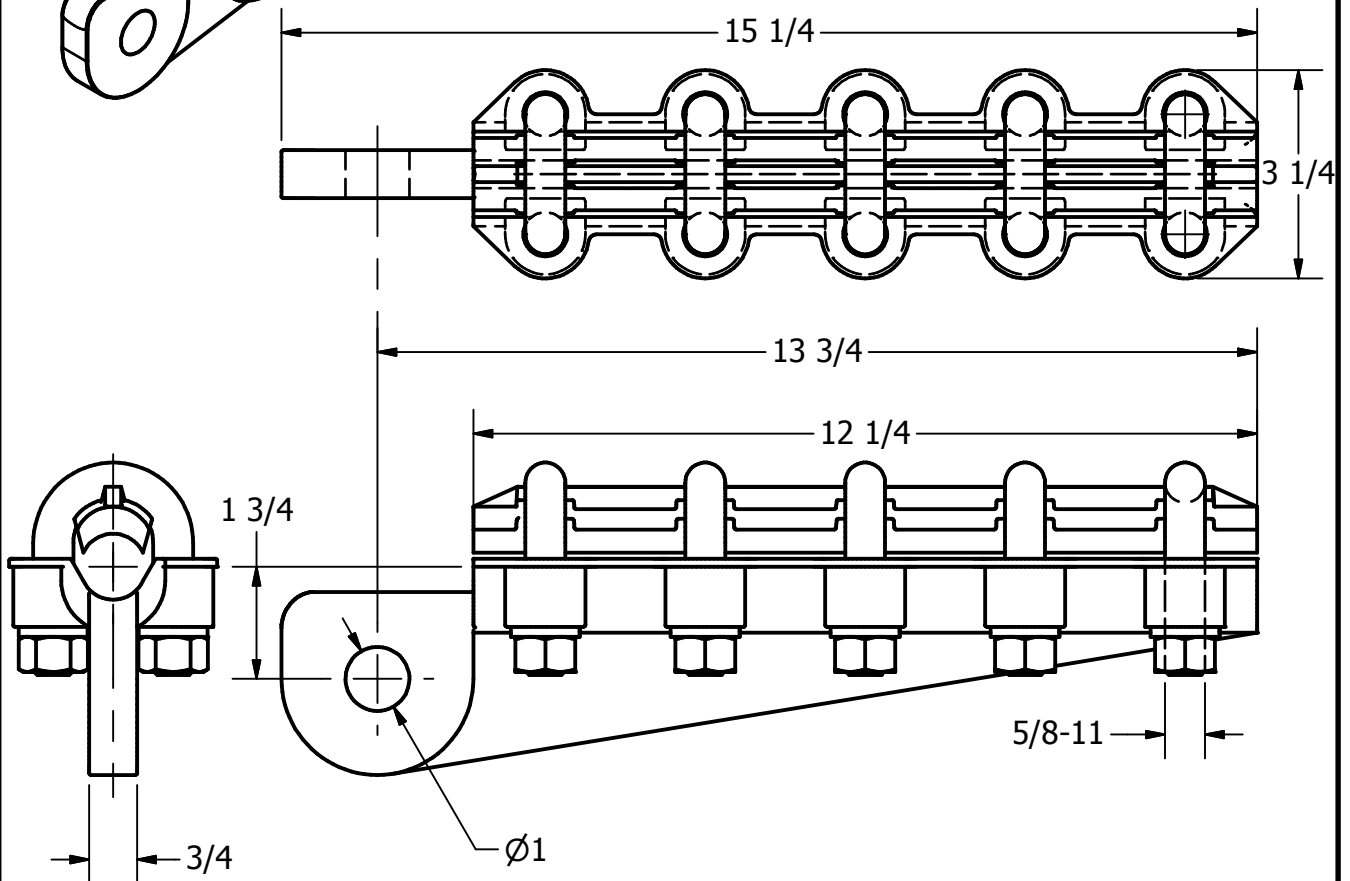
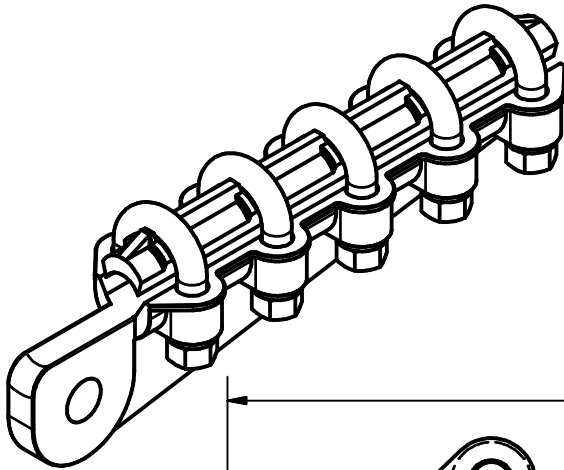
ADD SUFFIX "SO" TO CAT. NO.
 IF SOCKET EYE IS REQUIRED.

DEC50 WEIGHT: 4.36 LBS

LOCATION					CONTRACT NO		CUST / CONTR	
REVISIONS					DRN BY: AF DRN DATE: 3-1-73 CHK BY: HJ CHK DATE: 3-1-73	 		
REV	DESCRIPTION	DATE	BY	APR		CLAMP, DEAD END		
3	RE-DRAWN IN INVENTOR	2-23-10	LK	EP				
					REV 3	DEC SERIES		1 OF 1

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ITEM NO

DWG NO
B-6257**MATERIAL**

ALUMINUM BRONZE ASTM B30
U-BOLTS, NUTS, & LOCKWASHERS
- GALVANIZED HIGH STRENGTH
STEEL

CABLE RANGE

500MCM (.814 DIA) -800MCM(1.081 DIA.)

NOTE:

CLAMP IS CAPABLE OF 14,000 LBS
PULL OUT FORCE.

15.67 LBS

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
2	RE-DRAWN IN INVENTOR	2-23-10	LK	EP

DRN BY:
ES
DRN DATE:
9-18-81
CHK BY:
HJ
CHK DATE:
9-18-81

FAFL**DOSSERT®**

CLAMP, STRAIN TONGUE 500 MCM- 800 MCM

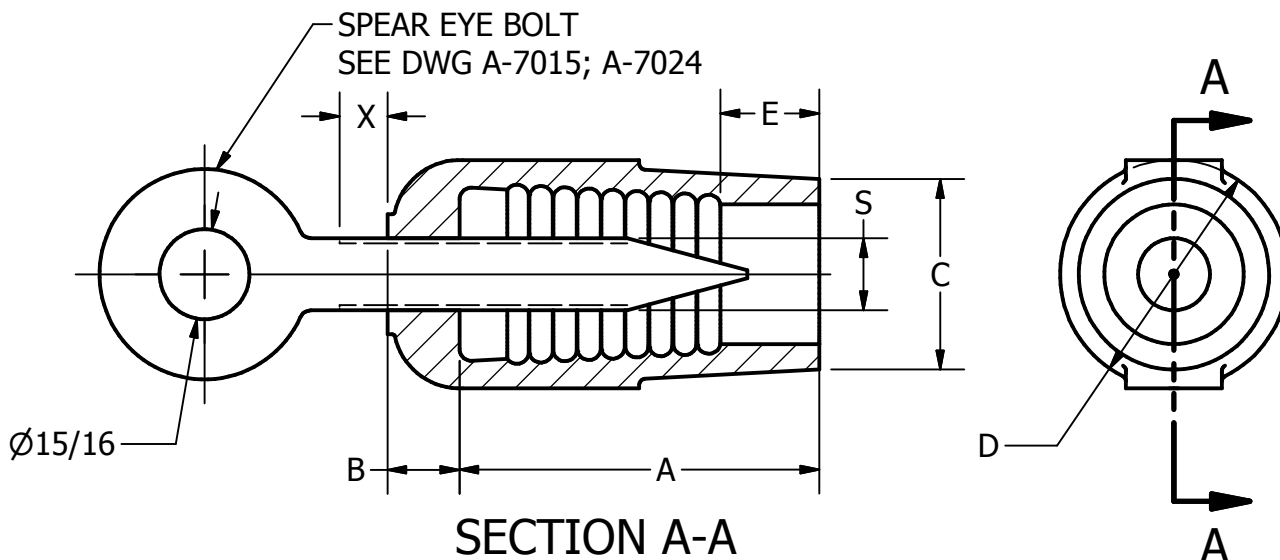
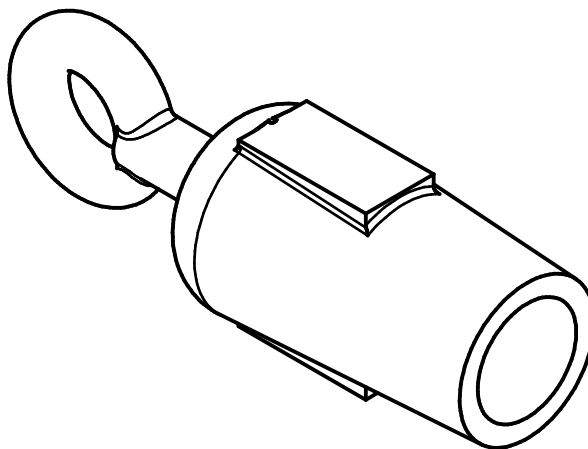
REV
2

DEC80-RR

1 OF 1

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ITEM NO

DWG NO
D-6339

CATALOG #	CABLE SIZE	A	B	C	D	E	S	X
DECS 50	500 MCM	2 5/8	5/8	1 3/16	1 5/8	1/2	5/8-11	1 3/8
DECS150	1500 MCM	3 3/4	3/4	2	2 3/8	1	3/4-10	1/2

MATERIAL:

ALUMINUM BRONZE ASTM B30

DECS150: 3.75 LBS

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
2	RE-DRAWN IN INVENTOR	2-19-10	LK	EP

DRN BY:
ES
DRN DATE:
9-16-85
CHK BY:
HJ
CHK DATE:
9-16-85

FAFL**DOSSERT®**

SOCKET,CABLE DEAD END

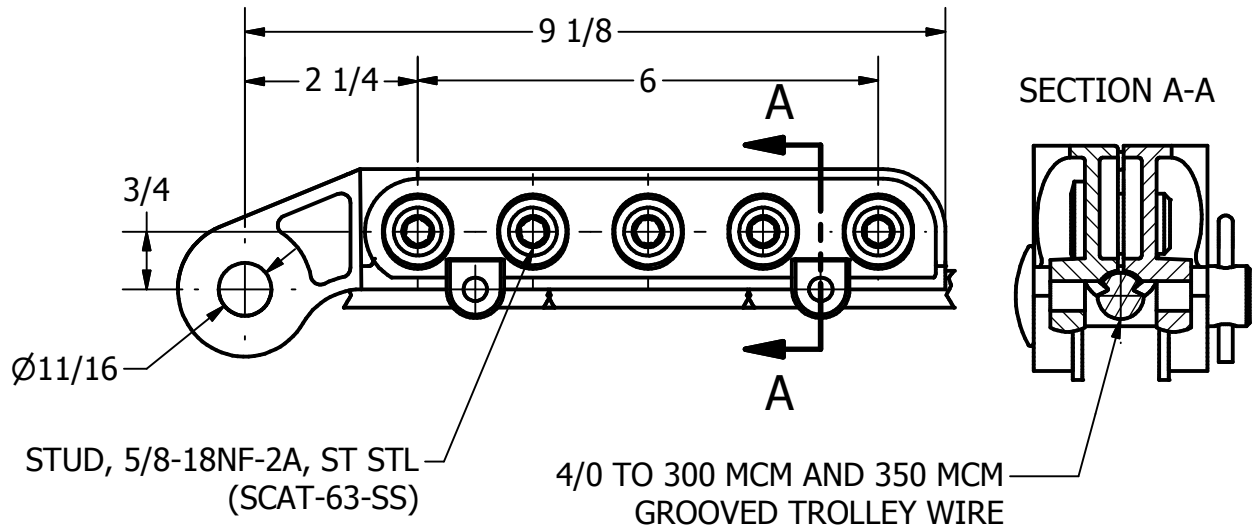
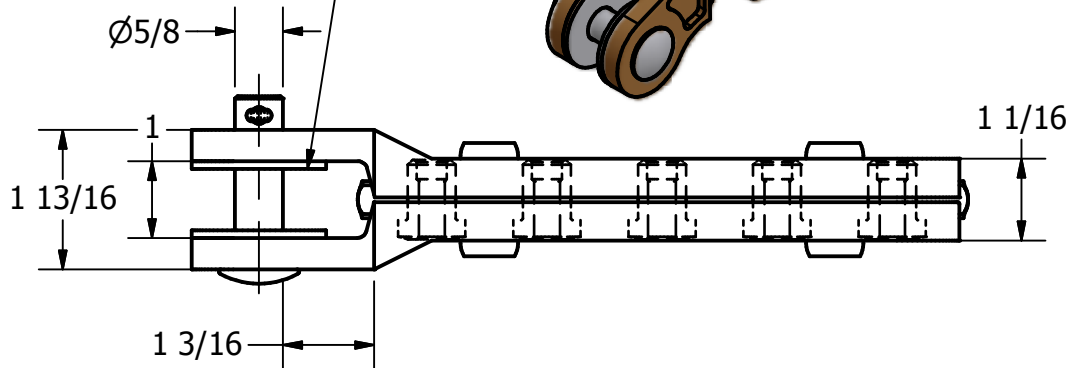
REV
2

DECS- SERIES

1 OF 1

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ITEM NO

DWG NO
B-67532X FLAT WASHER
EVERDUR (OPTION)

MATERIAL:
ALUMINUM BRONZE ASTM B30.
CLEVIS PIN-GALVANIZED STEEL
COTTER KEY-STAINLESS STEEL

TORQUE STUD 45 FT-LBS

3.53 LBS

NOTE:

THE DEAD END CLAMP IS DESIGNED TO WITHSTAND, WITHOUT DEFORMATION OR SLIPPAGE OF CONTACT WIRE 10,340 LBS OF PULLING FORCE (90% OF BREAKING STRENGTH OF 4/0 MCM BRONZE TROLLEY WIRE)

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
6	RE-DRAWN IN INVENTOR	1-18-10	LK	EP

DRN BY:
KB
DRN DATE:
2-2-95
CHK BY:
HJ
CHK DATE:
6-19-85

FAFL**DOSSERT®**

CLAMP, DEAD END CLEVIS

REV
6

DEFS34T

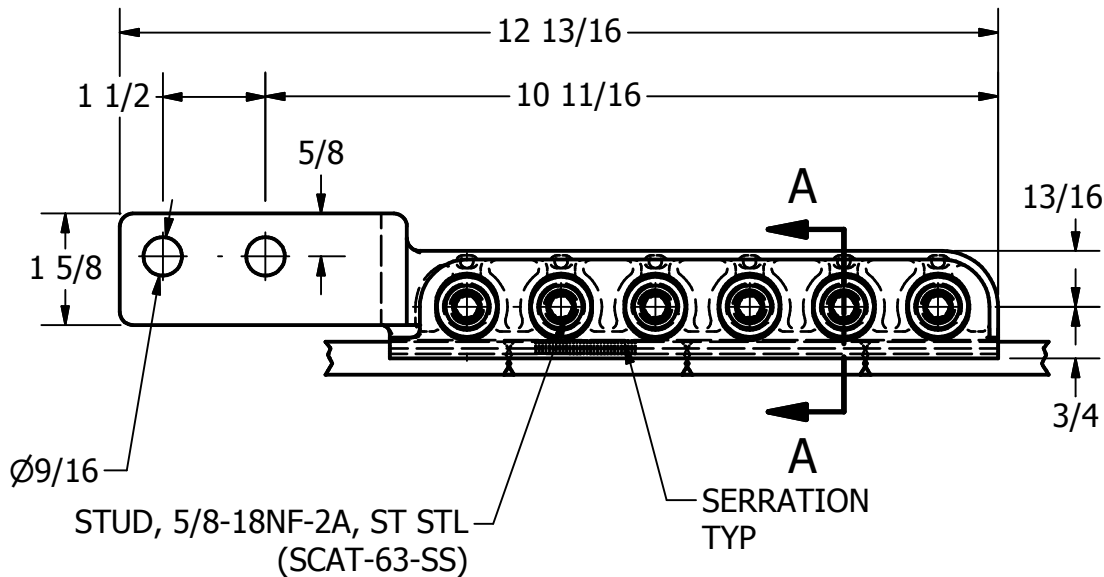
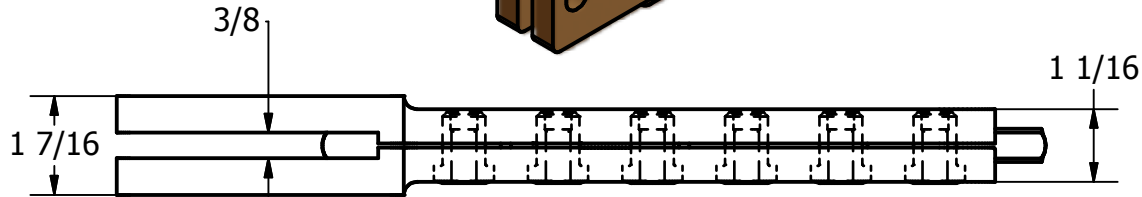
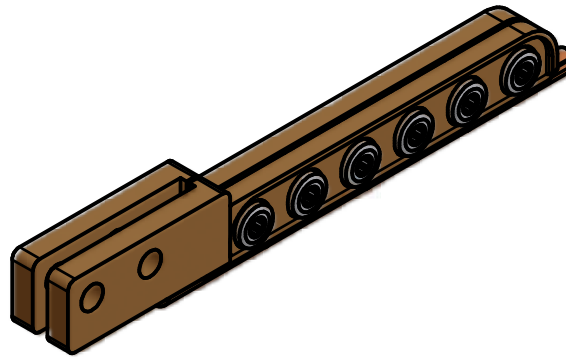
1 OF 1

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ITEM NO

DWG NO

B-8044



Ø9/16

STUD, 5/8-18NF-2A, ST STL
(SCAT-63-SS)

4/0 TO 300 MCM AND 350 MCM
GROOVED TROLLEY WIRE

MATERIAL:
ALUMINUM BRONZE ASTM B30.

TORQUE STUD 45 FT-LBS

4.85 LBS

NOTE:

THE DEAD END CLAMP IS DESIGNED TO
WITHSTAND, WITHOUT DEFORMATION OR
SLIPPAGE OF CONTACT WIRE 15,840 LBS
OF PULLING FORCE (80% OF BR'K STR'G OF
350 MCM BRONZE TROLLEY WIRE)

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
2	RE-DRAWN IN INVENTOR	1-19-10	LK	EP

DRN BY:
ET
DRN DATE:
7-19-95
CHK BY:
RL
CHK DATE:
7-20-95

FAFL

DOSSERT®

CLAMP, DEAD END CLEVIS

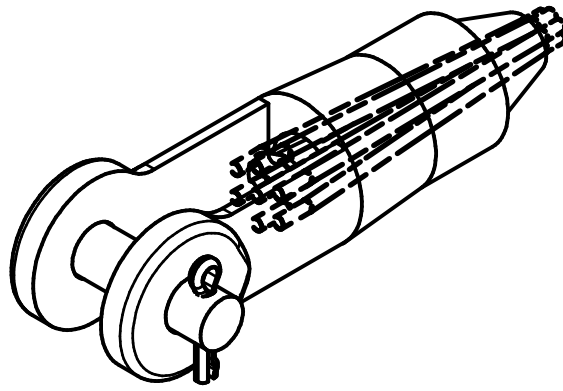
REV
2

DEFS34T-2

1 OF 1

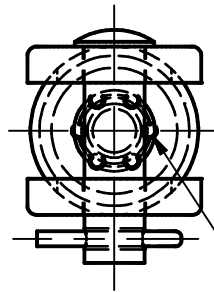
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ITEM NO

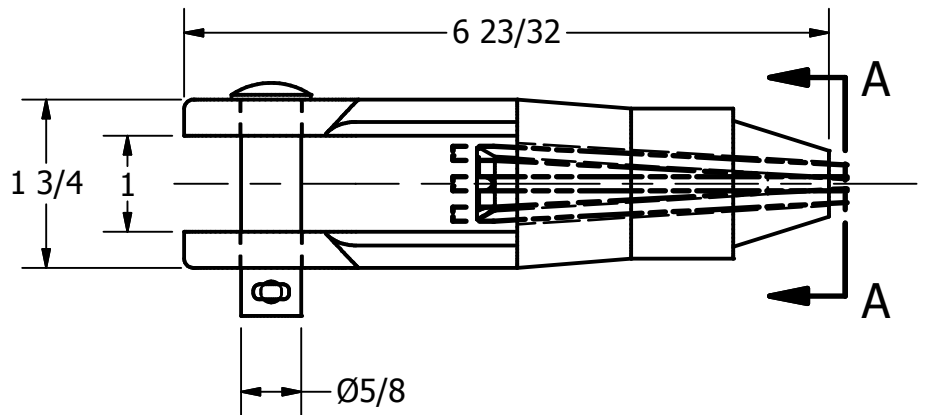
DWG NO
B-6194

COPPERWELD HIGH STRENGTH
WIRE (7 NO. 7) MIN. BREAKING
STRENGTH 13,910 LBS

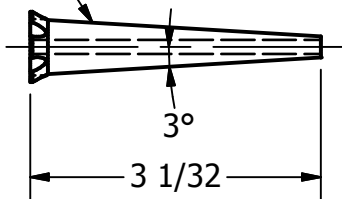
SECTION A-A



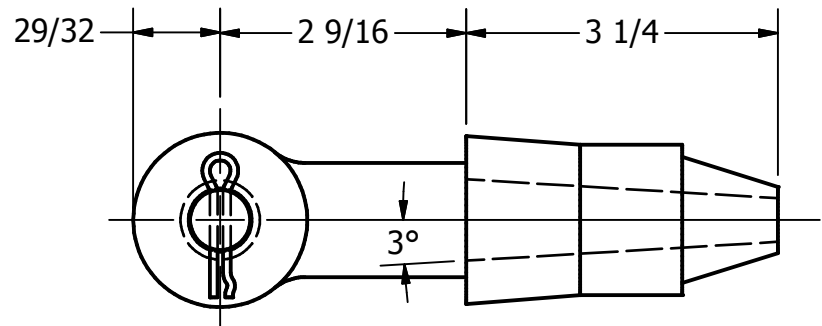
#7 COPPERWELD—
(0.1443 DIA) TYP



FINE SERRATIONS



GRIPPING CONE



MATERIAL:
ALUMINUM BRONZE ASTM B30.
CLEVIS PIN-GALVANIZED STEEL
COTTER KEY-STAINLESS STEEL

2.45 LBS

NOTE:

DEAD END SOCKET ASSEMBLY WILL
WITHSTAND 14,000 LBS PULLING FORCE
WITHOUT DEFORMATION OR SLIPPAGE
OF WIRE.

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
2	RE-DRAWN IN INVENTOR	10-29-09	BH	EP

DRN BY:
HJ
DRN DATE:
5-13-81
CHK BY:

CHK DATE:
5-13-81

FAFL**DOSSERT®**

SOCKET, DEAD END #7 COPPERWELD

REV
2

FTDE438

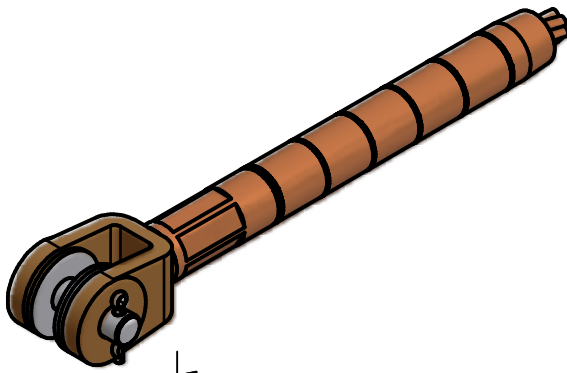
1 OF 1

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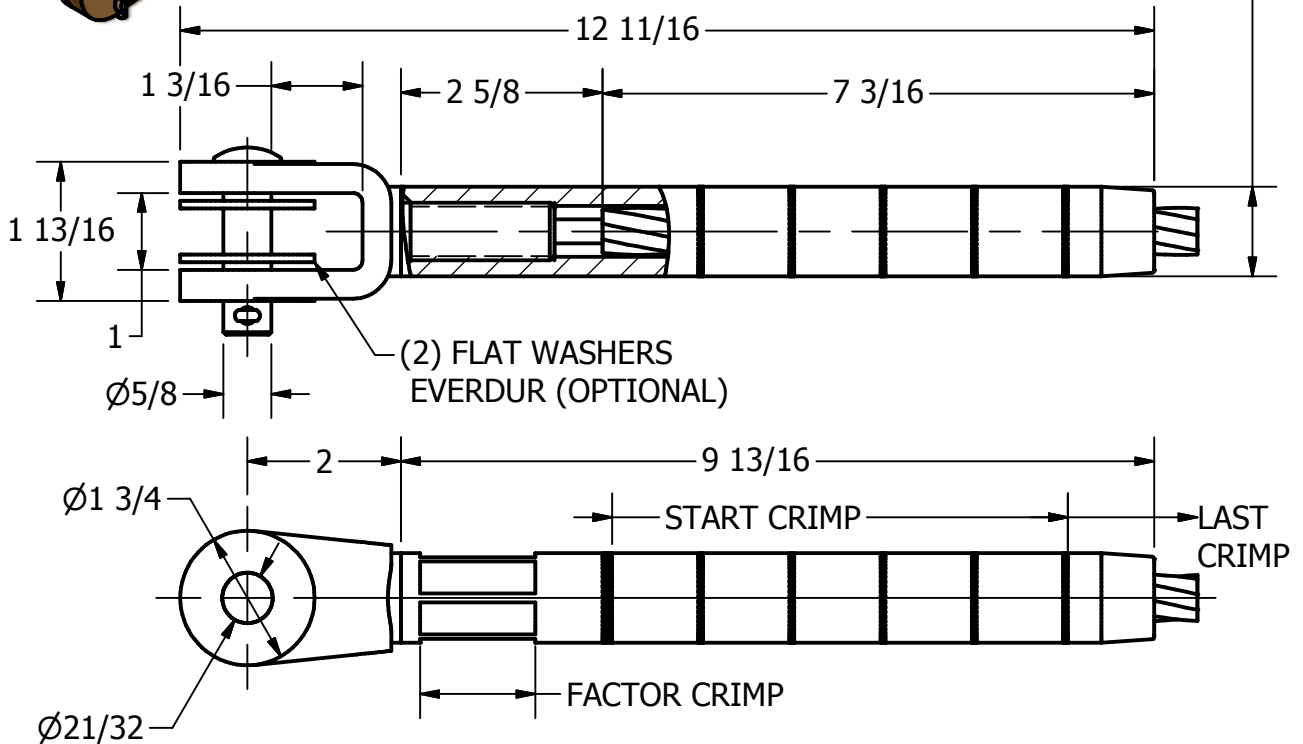
ITEM NO

DWG NO

B-6827



O.D. TO SUIT
CRIMPING DIE
(DH-95)



(2) FLAT WASHERS
EVERDUR (OPTIONAL)

START CRIMP

LAST
CRIMP

FACTOR CRIMP

MATERIAL

DEAD END CLEVIS

- ALUMINUM BRONZE

ASTM B30

COMPRESSION COPPER

SLEEVE

- DRAWN COPPER TUBE

CLEVIS PIN

- GALVANIZED STEEL

COTTER KEY

- STAINLESS STEEL

4.84 LBS

CABLE SIZE

COPPERWELD - COPPER WIRE - (.613 DIA)

4/0 TYPE "E"

7 CW WIRE STR - (.1225 DIA), 12 CU STR - (.1225 DIA)

BREAKING STRENGTH 20,730 LBS

OR

COPPERWELD WIRE - (.613 DIA)

5/8 [7 CU WIRE STR NO 4 - (.2043 DIA)]

BREAKING STRENGTH 22,300 LBS

LOADING

HIGH TENSION SPLICE WILL WITHSTAND WITHOUT DEFORMATION OR
SLIPPAGE OF WIRE 20,000 LBS PULLING FORCE (95% OF BREAKING

STRENGTH OF 4/0 TYPE "E" WIRE)

MODULUS OF COMPRESSIBILITY - .17

MIN ULTIMATE LOAD - 21,850 LBS

MAX WORKING LOAD - 8,740 LBS

SAFETY FACTOR - 2.5

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
3	RE-DRAWN IN INVENTOR	2-28-10	LK	EP

DRN BY:
BB
DRN DATE:
2-14-06
CHK BY:
BB
CHK DATE:
2-14-06

FAFL

DOSSERT®

SOCKET, FULL TENSION DEAD END

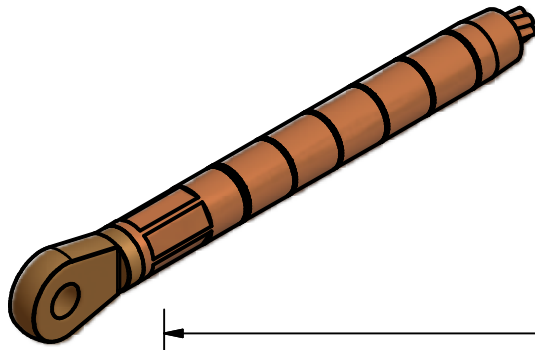
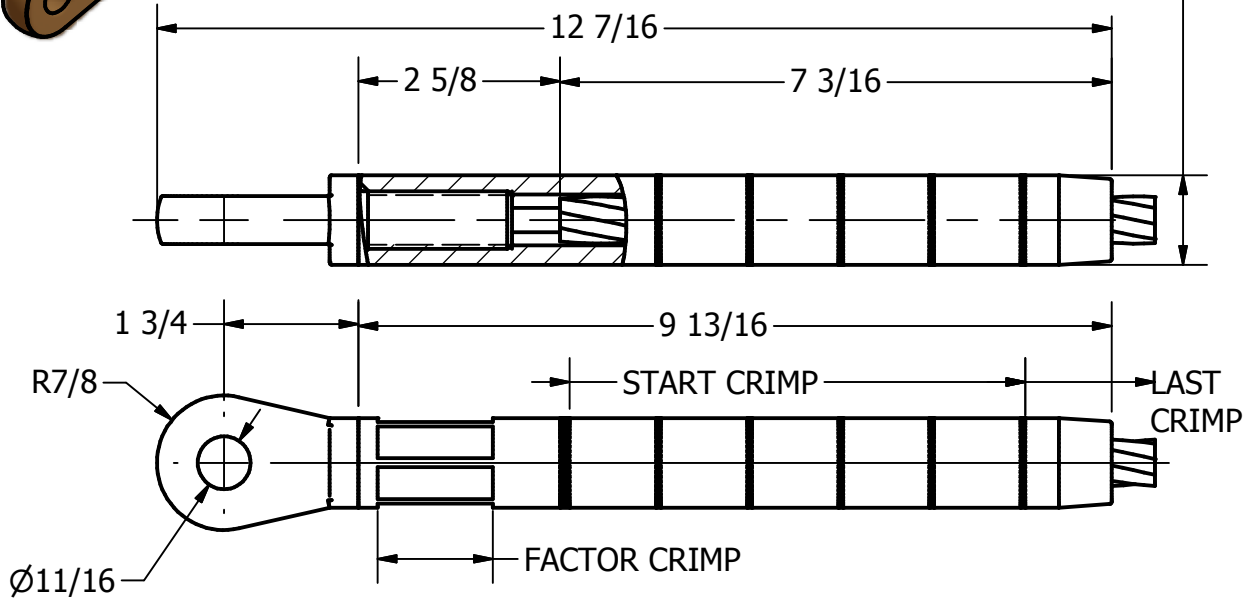
REV
3

FTDEC613

1 OF 1

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ITEM NO

DWG NO
B-6947O.D. TO SUIT
CRIMPING DIE
(DH-95)CABLE SIZE

COPPER WIRE (HARD DRAWN)
350MCM 19 STR-(.681 DIA)
BREAKING STRENGTH 15,600 LBS
OR

COPPERWELD WIRE - COPPER
WIRE (.613 DIA)
4/0 TYPE "E"
7 CW STR-(.1225 DIA)
12 CU STR- (.125 DIA)
BREAKING STRENGTH 20,730 LBS
OR

COPPERWELD WIRE
(.613 DIA)
5/8 [7 CU WIRE STR NO 4 - (.2043 DIA)]
BREAKING STRENGTH 22,300 LBS

MATERIAL

DEAD END EYE
- ALUMINUM BRONZE
ASTM B30
COMPRESSION COPPER
SLEEVE
- DRAWN COPPER TUBE

CLEVIS PIN

- GALVANIZED STEEL
COTTER KEY
- STAINLESS STEEL

4.05 LBS

LOADING

HIGH TENSION SPLICE WILL WITHSTAND WITHOUT DEFORMATION OR
SLIPPAGE OF WIRE 20,000 LBS PULLING FORCE (95% OF BREAKING
STRENGTH OF 4/0 TYPE "E" WIRE)
MODULUS OF COMPRESSIBILITY - .17
MIN ULTIMATE LOAD - 21,850 LBS
MAX WORKING LOAD - 8,740 LBS
SAFETY FACTOR - 2.5

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
2	RE-DRAWN IN INVENTOR	2-28-10	LK	EP

DRN BY:
PG
DRN DATE:
12-18-85
CHK BY:
BB
CHK DATE:
12-18-85

FAFL**DOSSERT®**

SOCKET, FULL TENSION DEAD END

REV
2

FTDEC613-E

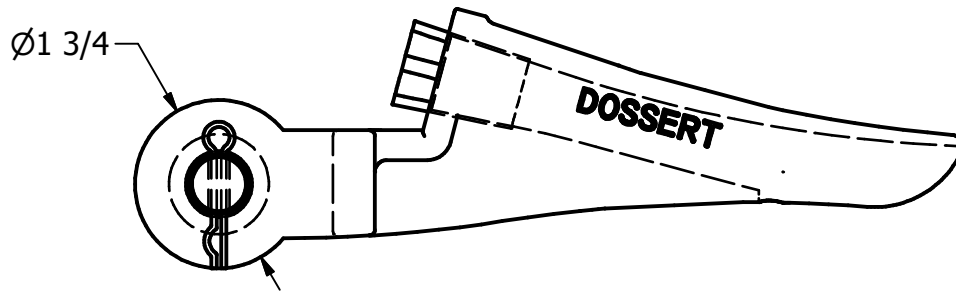
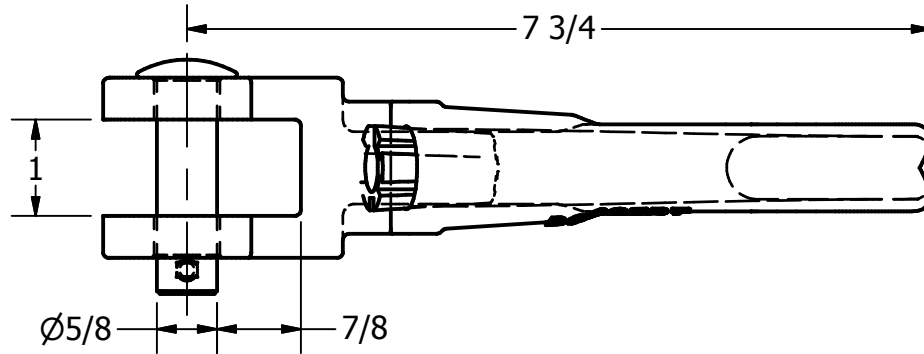
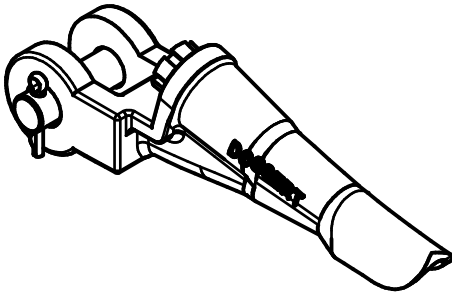
1 OF 1

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ITEM NO

DWG NO

B-7145



CATALOG #	WIRE SIZE	DIA.	BREAKING STRENGTH
FTDEW-375	3/8 G.S.	.375"	15,400
FTDEW-438	7/16 G.S.	.438"	20,800
FTDEW-546	9/16 CW	.546"	24,650
FTDEW-613	4/0 E CW	.613"	20,730
FTDEW-814	500 MCM	.814"	22,500

MATERIAL

ALUMINUM BRONZE ASTM B30

CLEVIS PIN - GALVANIZED STEEL

COTTER KEY - STAINLESS STEEL

COMP. SLEEVE - STAINLESS STEEL

2.66 LBS

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
2	RE-DRAWN IN INVENTOR	10-20-09	BH	EP

DRN BY:
CV
DRN DATE:
1-29-92
CHK BY:
JS
CHK DATE:
1-29-92

FAFL**DOSSERT®**

DEAD END FOR CABLE

REV
2

FTDEW SERIES

1 OF 1

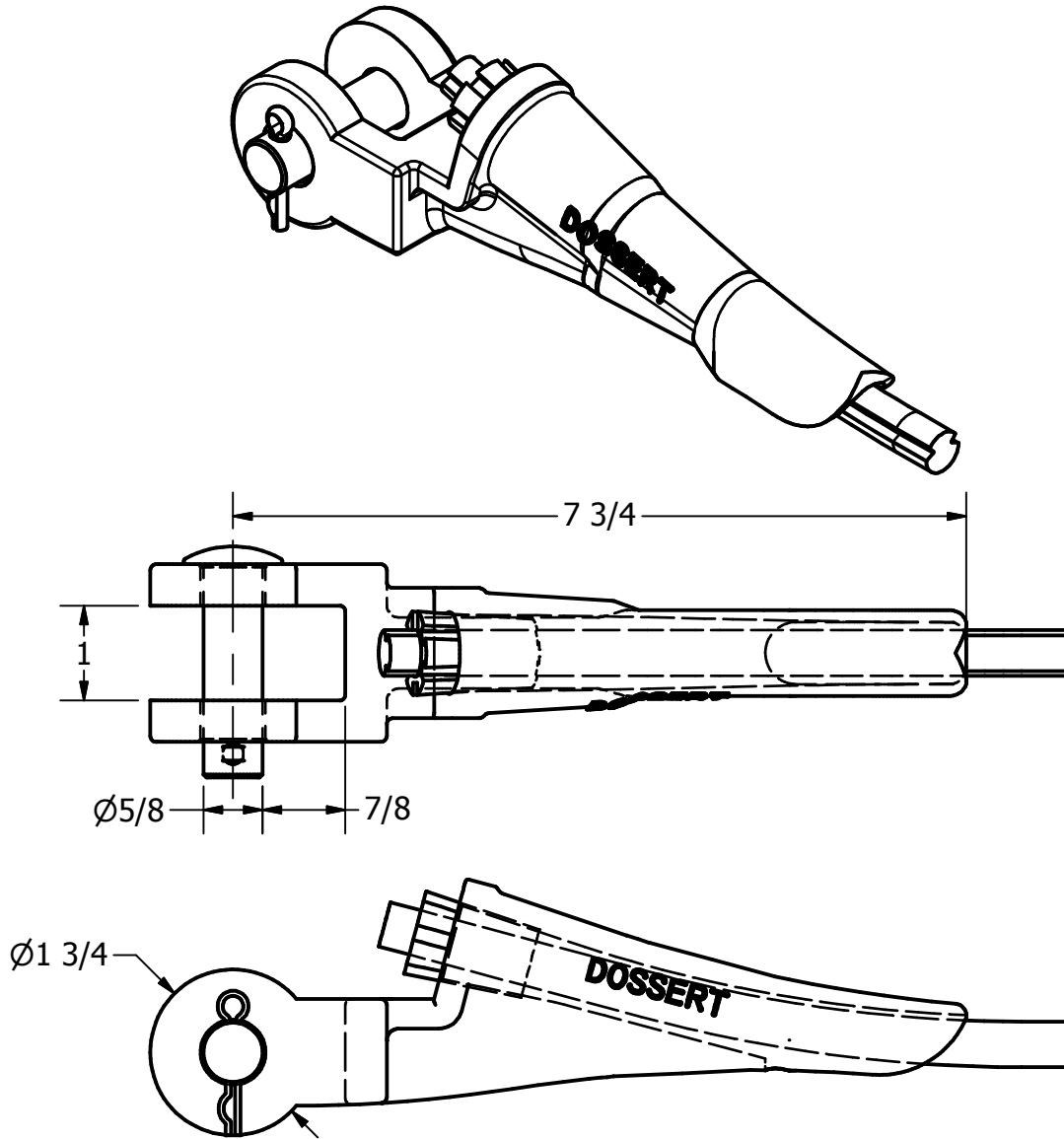
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ITEM NO

DWG NO

B-7145

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CATALOG #	WIRE SIZE	DIA.	BREAKING STRENGTH
FTDEW-13T	2/0 CW	.392"	7,906
FTDEW-21T	4/0 CW	.482"	11,490
FTDEW-30T	300 CW	.574"	15,260
FTDEW-35T	350 CW	.620"	17,240

MATERIAL

ALUMINUM BRONZE ASTM B30
CLEVIS PIN - GALVANIZED STEEL
COTTER KEY - STAINLESS STEEL
COMP. SLEEVE - STAINLESS STEEL

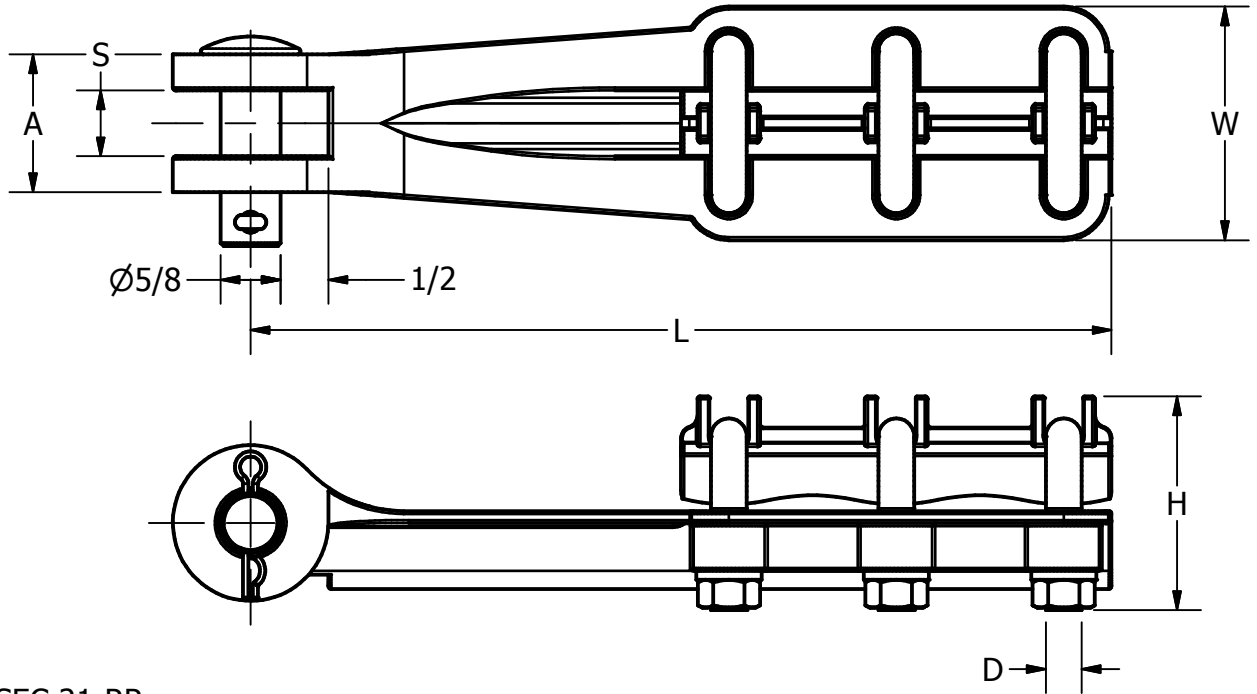
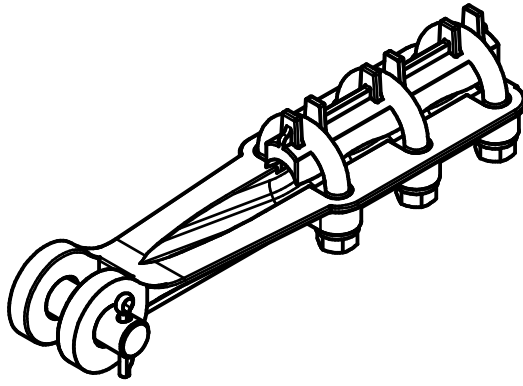
2.66 LBS

LOCATION					CONTRACT NO		CUST / CONTR	
REVISIONS					DRN BY: CV DRN DATE: 1-29-92 CHK BY: JS CHK DATE: 1-29-92	 		
REV	DESCRIPTION	DATE	BY	APR		DEAD END FOR TROLLEY WIRE		
2	RE-DRAWN IN INVENTOR	10-20-09	BH	EP				
					REV 2	FTDEW-T SERIES		1 OF 1

ITEM NO

DWG NO

D-5790



*SEC 21-RR

MIN ULTIMATE STRENGTH LOAD "F" =15,700 LBS

WEIGHT =2.9 LBS

CATALOG #	CABLE RANGE	L	H	W	A	S	D	# UBOLT
SEC13-RR	#6 STR-2/0 STR	8 9/32	2	2 5/16	1 1/2	3/4	3/8	2
*SEC21-RR	#1 STR-4/0 STR	9	2	2 5/6	1 7/16	11/16	3/8	3
SEC35-RR	4/0 STR-350 MCM	9	2	2 7/16	1 7/16	11/16	3/8	3
SEC50-RR	350MCM-500 MCM	9 1/2	2 5/8	2 11/16	1 9/16	11/16	1/2	3
SEC100-RR	500MCM-1000 MCM	11 7/16	2 29/32	3 1/4	1 11/16	11/16	1/2	3

MATERIAL

ALUMINUM BRONZE ASTM B30

U-BOLTS, NUTS, & LOCKWASHERS -

GALVANIZED HIGH STRENGTH STEEL

CLEVIS PIN-GALVANIZED STEEL

COTTER KEY-STAINLESS STEEL

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
6	RE-DRAWN IN INVENTOR	2-23-10	LK	EP

DRN BY:
ES
DRN DATE:
1-13-82
CHK BY:
HJ
CHK DATE:
1-13-82

FAFL**DOSSERT®**

CLAMP, FEEDER DEAD END

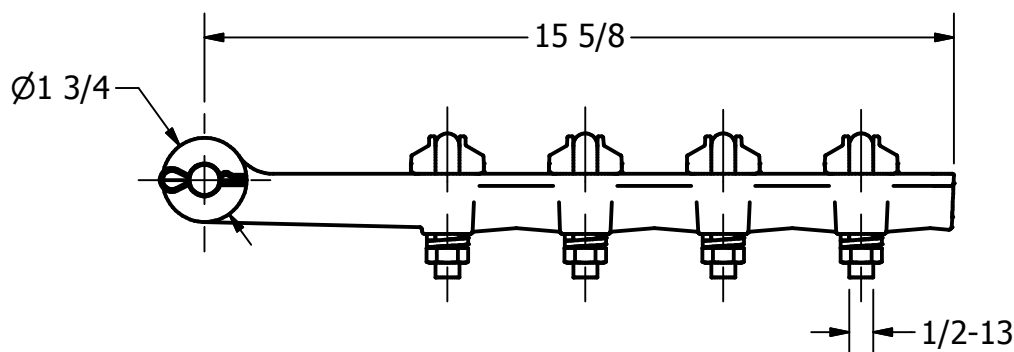
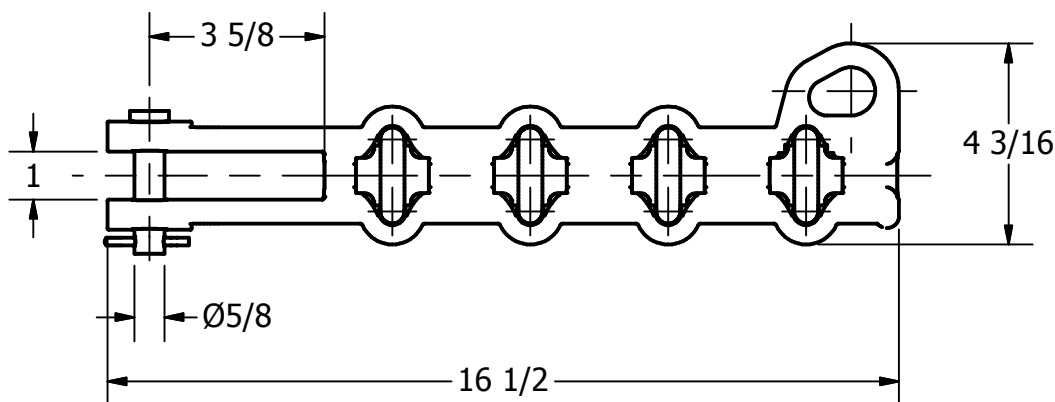
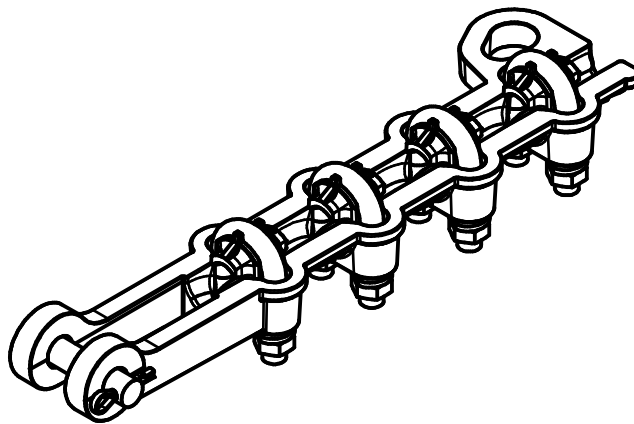
REV
6

SEC-RR SERIES

1 OF 1

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ITEM NO

DWG NO
D-6783**MATERIAL**

ALUMINUM BRONZE ASTM B30
U-BOLTS, NUTS, & LOCKWASHERS
- GALVANIZED HIGH STRENGTH
STEEL
CLEVIS PIN-GALVANIZED STEEL
COTTER KEY-STAINLESS STEEL

CABLE RANGE

4/0 (.528 DIA) - 500MCM (.814 DIA)
HARD DRAWN COPPER

NOTES:

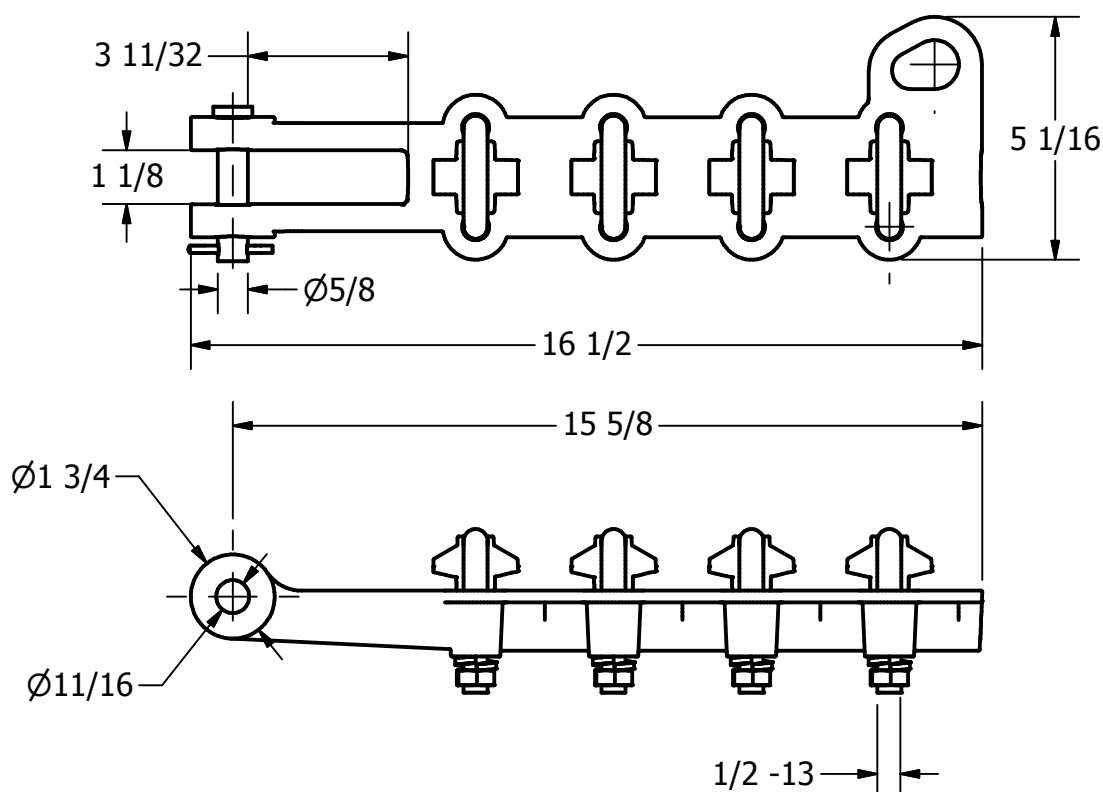
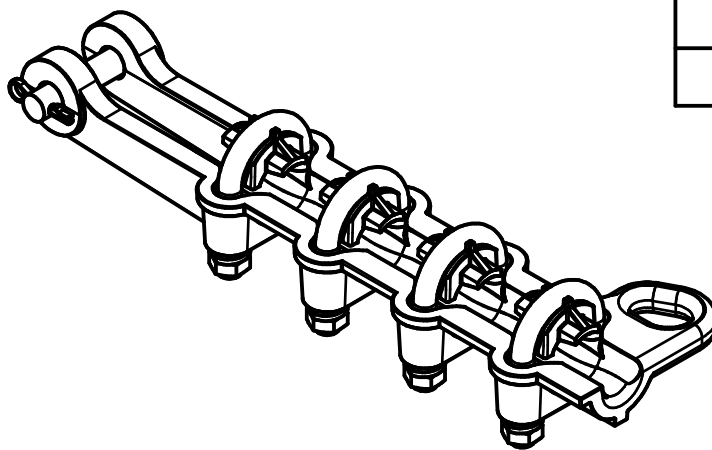
WORKING LOAD: 15,300 LBS
U-BOLTS TO BE TORQUED TO 70 FT-LBS

11.66 LBS

LOCATION						CONTRACT NO		CUST / CONTR	
REVISIONS						DRN BY: MS DRN DATE: 04/11/1989 CHK BY: JS CHK DATE: 04/11/1989	FAFL DOSSERT®		
REV	DESCRIPTION	DATE	BY	APR	CLAMP, DEAD END STRAIN, 4/0-500 MCM				
3	RE-DRAWIN IN INVENTOR	9-29-09	BH	EP					
					REV 3	SEC50-H-4-RR		1 OF 1	

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ITEM NO

DWG NO
D-6918**MATERIAL**

ALUMINUM BRONZE ASTM B30
 U-BOLTS, NUTS, & LOCKWASHERS -
 GALVANIZED HIGH STRENGTH STEEL
 CLEVIS PIN-GALVANIZED STEEL
 COTTER KEY-STAINLESS STEEL

CABLE RANGE

500MCM (.814 DIA) -1000MCM(1.152 DIA.)

NOTES:

WORKING LOAD: 16,200 LBS
 U-BOLTS TO BE TORQUED TO 70 FT-LBS

11.95 LBS

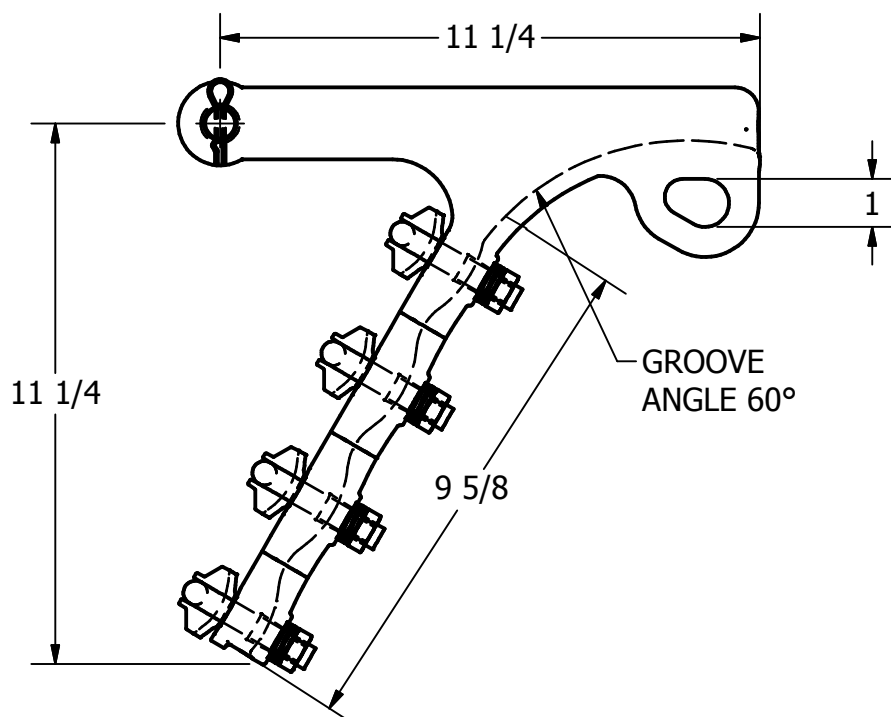
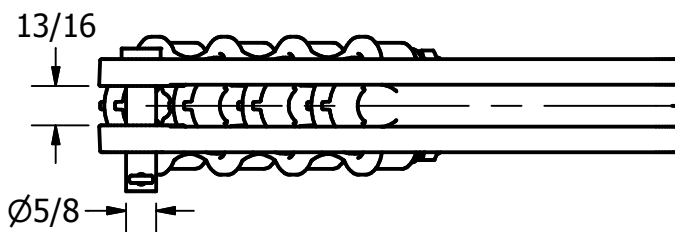
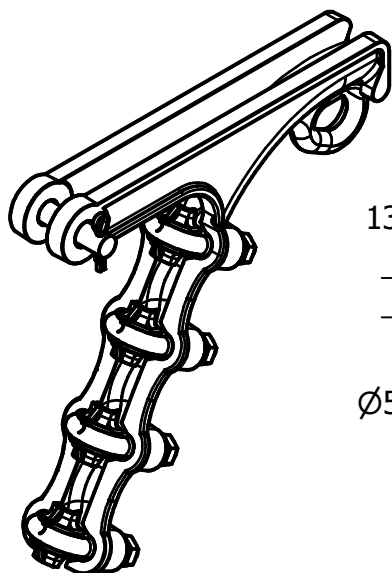
LOCATION					CONTRACT NO		CUST / CONTR	
REVISIONS					DRN BY: MS DRN DATE: 4-11-89 CHK BY: HJ CHK DATE: 4-12-89		 	
REV	DESCRIPTION	DATE	BY	APR				
2	RE-DRAWN IN INVENTOR	1-5-10	LK					
							REV 2	SEC100-H-4-RR
							1 OF 1	

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ITEM NO

DWG NO
D-6997

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**MATERIAL**

ALUMINUM BRONZE ASTM B30
U-BOLTS, NUTS, & LOCKWASHERS -
GALVANIZED HIGH STRENGTH STEEL
CLEVIS PIN-GALVANIZED STEEL
COTTER KEY-STAINLESS STEEL

11.66 LBS

CABLE RANGE

4/0 (.528 DIA) - 500 MCM(.814 DIA.)

NOTES:

1. MIN ULTIMATE STRENGTH LOAD: 40,000 LBS
2. WORKING LOAD: 15,300 LBS
3. U-BOLTS TO BE TORQUED TO 70 FT-LBS

LOCATION

CONTRACT NO

CUST / CONTR

REVISIONS

REV	DESCRIPTION	DATE	BY	APR
4	RE-DRAWN IN INVENTOR	2-29-10	LK	EP

DRN BY: BB
DRN DATE: 1-3-91
CHK BY: HJ
CHK DATE: 1-3-91

FAFL**DOSSERT®**

CLAMP, STRAIN ANGLE 4/0 -500 MCM

REV
4

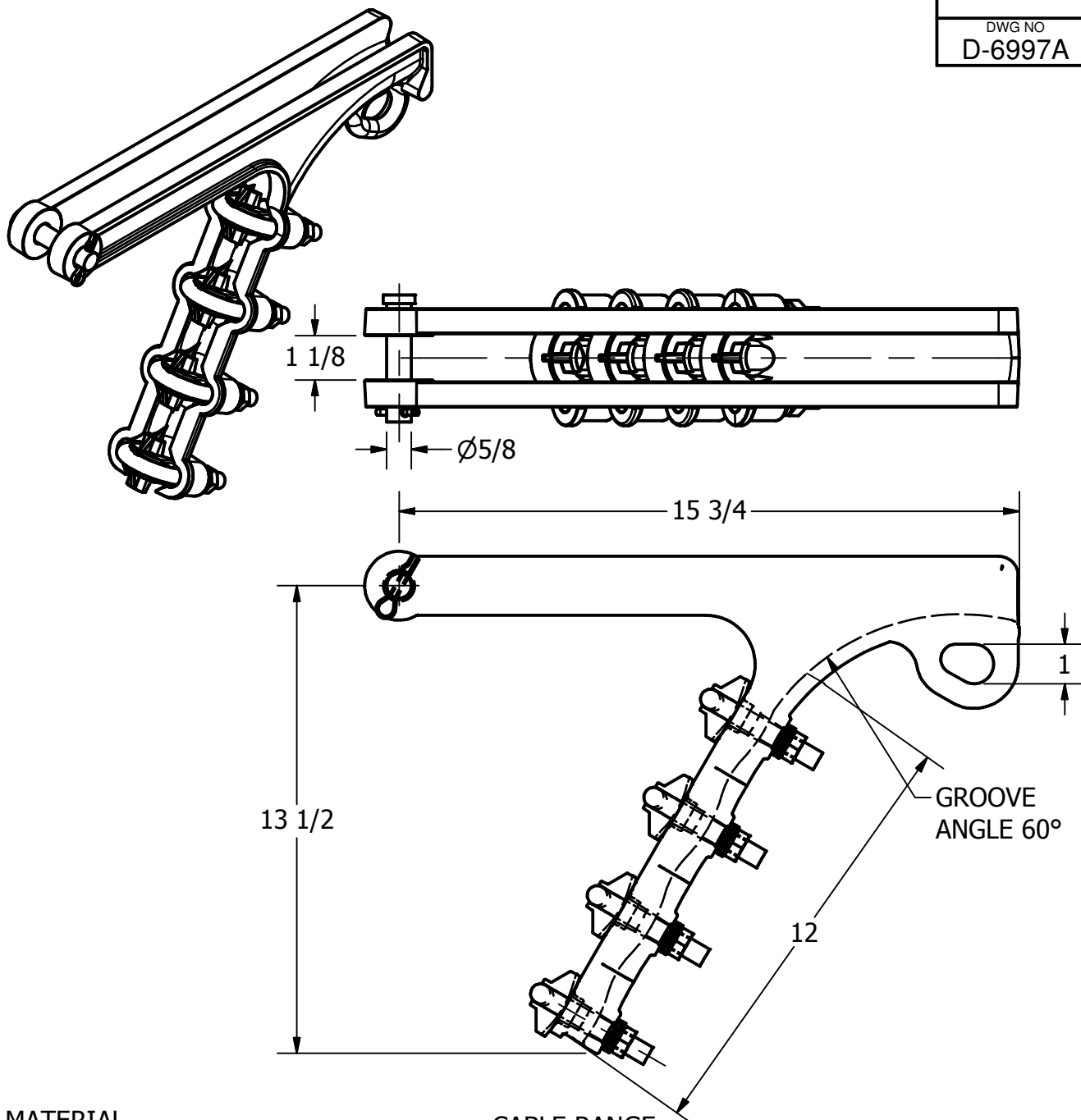
SECL50-H-4-RR

1 OF 1

ITEM NO

DWG NO
D-6997A

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**MATERIAL**

ALUMINUM BRONZE ASTM B30
U-BOLTS, NUTS, & LOCKWASHERS -
GALVANIZED HIGH STRENGTH STEEL
CLEVIS PIN-GALVANIZED STEEL
COTTER KEY-STAINLESS STEEL

18.17 LBS

CABLE RANGE

500MCM (.814 DIA) -1000MCM(1.152 DIA.)

NOTES:

1. MIN ULTIMATE STRENGTH LOAD; 40,000 LBS
2. WORKING LOAD: 16,200 LBS
3. U-BOLTS TO BE TORQUED TO 70 FT-LBS

LOCATION					CONTRACT NO		CUST / CONTR	
REVISIONS					DRN BY: CV DRN DATE: 2-6-91 CHK BY: PG CHK DATE: 2-6-91			