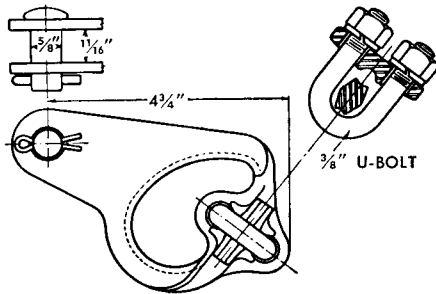
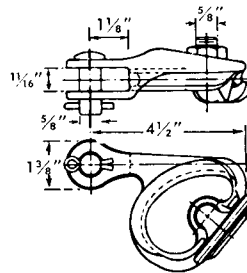
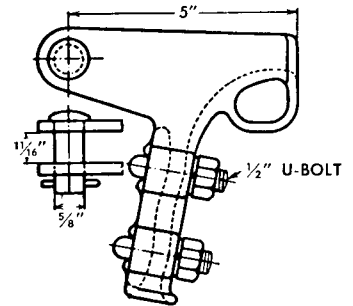
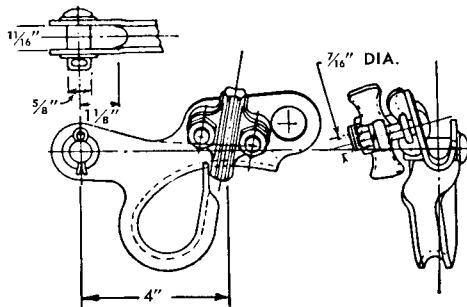


**DISTRIBUTION CLAMPS**

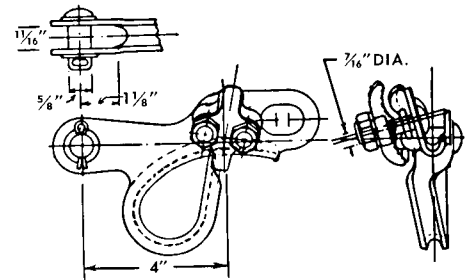
Cat. No. 1437



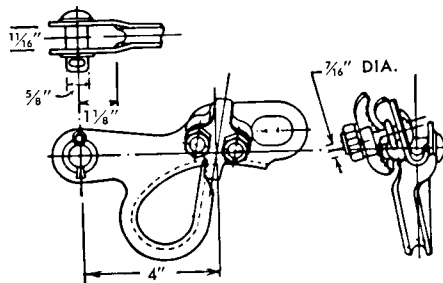
Cat. No. 2122

Cat. No. 2050
Cat. No. 2050 HL*

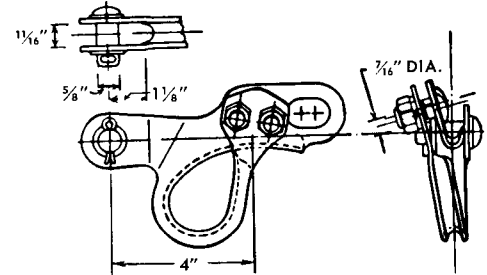
Cat. No. 2106



Cat. No. 2115



Cat. No. 2107



Cat. No. 2116

DISTRIBUTION CLAMPS

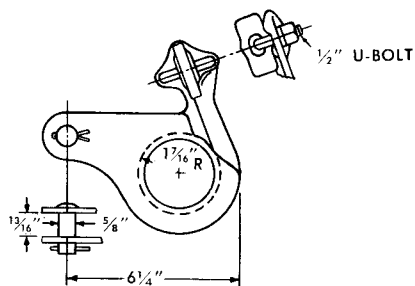
Cat. No.	Material	Type	Description	Ultimate Strength, Pounds	Range of Cable Size					Shipping Weight, Lb/100
					Diameter, Inches	Copper	Type A Copperweld	ACSR	Amerductor SCP and SCG	
1437	Malleable Iron	Snubbing, Rev. Keep	Envelope	7,000	0.145-0.375	#8-#1/0	#8A-#2A	—	#12-#4	135
2050 2050HL*		Quadrant		11,000	0.20-0.50	#4-#3/0	#8A-#2A	#4-#1/0	#10-#2	320 330
2106	Pressed Steel	Snubbing		7,000	0.160-0.366	#6-#1/0	#8A-#2A	—	#12-#4	150
2107†				9,000	0.127-0.377	—	—	#4-#1/0	—	200
2115				9,000	0.187-0.437	#6-#2/0	#8A-#2A	—	#10-#2	195
2116				10,000	0.16-0.55	#6-#4/0	#8A-#2A	#4-#2/0	#12-#2	235
2122	Forged Steel	"J" Bolt, Snubbing	Side-Opening	8,000	0.128-0.375	#8-#1/0	#8A-#2A	—	#12-#4	150

* Similar to Cat. No. 2050, but with longer cotter bolt and keeper crimped to U-bolts for better handling on hot-line work.

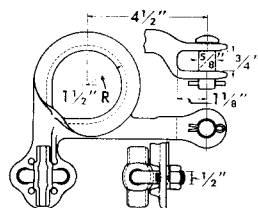
† Clamp is lined with aluminum.



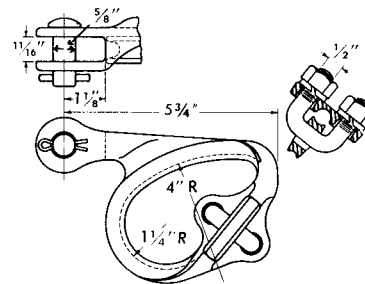
DISTRIBUTION CLAMPS



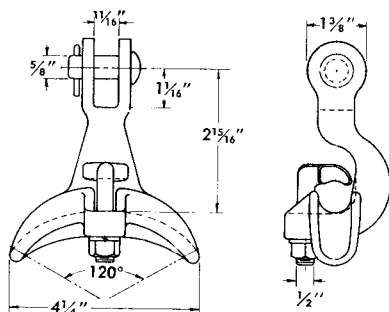
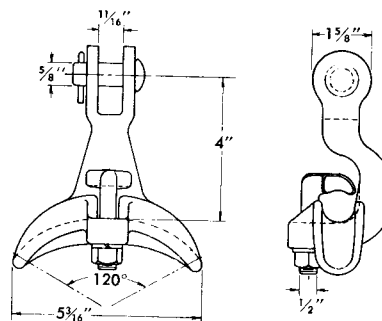
Cat. No. 1655



Cat. No. 4060



Cat. No. 7725

Cat. No. 2200*
Cat. No. 2300Cat. No. 2210*
Cat. No. 2310

DISTRIBUTION CLAMPS

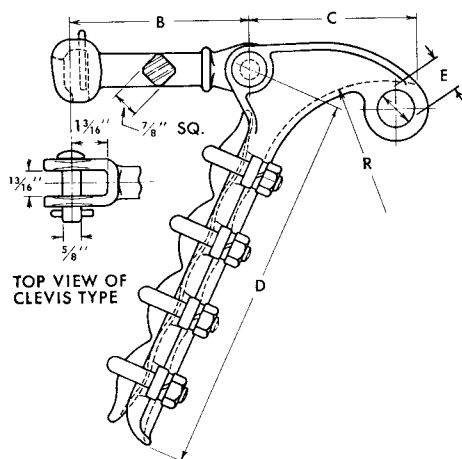
Cat. No.	Material	Type	Descrip- tion	Ultimate Strength, Pounds	Range of Cable Sizes					Shipping Weight Lb/100
					Diameter, Inches	Copper	Type A Copperweld	ACSR†	Amerductor SCP and SCG	
1655	Malleable Iron	Snubbing	Envelope	14,000	0.16-0.55	#6-#4/0	#8A-#2A	#4-#2/0	#12-#2	270
2200*	Forged Steel	J-Bolt Keeper	Side Opening	7,000	0.12-0.60	#8-250 MCM		#4-#3/0		145
2210*	Malleable Iron			14,000	0.50-0.90	#4/0-600 MCM	—	#1/0-397.5 MCM	—	323
4060	Forged Steel	Snubbing	Side Opening	11,000	0.16-0.55	#6-#4/0	#8A-#2A	#4-#2/0	#12-#2	280
7725					0.16-0.50	#6-#3/0		—		210

† With armor ribbon.

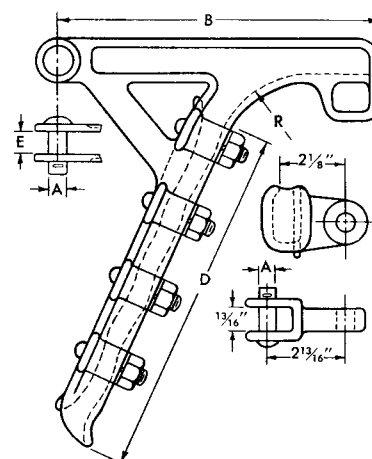
* Clevis turned 90° from illustration.



JULY 1, 1967

TRANSMISSION STRAIN CLAMPS**ENVELOPE TYPE**

Forged steel trunnion clamps



Malleable iron quadrant clamps

Both of these series of clamps are designed for ASCR, copper, and composite conductors, and for this reason have smooth wave seats, tapered clamping sections, and large-radius snubbing take-offs. All clamps have rounded edges to prevent corona formation on high-voltage operation. All U-bolts are provided with lock washers.

Forged-trunnion clamps are designed for low induced conductor vibration, even on high sagging tensions. All clamps can be provided with aluminum or copper liners if so ordered. Use of liners reduces diameter of clamp seat by 0.10 inch.

Cat. No.			No. of U-Bolts	Ultimate Strength, Pounds	Cable Diameter, Inches	DIMENSIONS—Inches						Shipping Weight Lb/100	
Adapter Furnished						A	B	C	D	E	R	Socket or Clevis	No Adapter
Socket	Clevis	None											
TRUNNION TYPE, FORGED STEEL													
5000 5000HL 5040*	5010 5010HL 5050*	—	2	25,000 25,000 30,000	0.187–0.55	—	5 3/8 8 3/8 5 3/8	4 3/8	8	1	2 1 5/16	540 611 537	—
5001 5001HL 5002 5002HL	5011 5011HL 5012 5012HL	—	4	25,000	0.30–0.68 0.30–0.68 0.30–0.84 0.30–0.84	—	5 3/8 8 3/8 5 3/8 8 3/8	6	12 1/2	1	4 1/4	1,060 1,215 1,090 1,215	—
5003 5003HL 5004 5004HL	5013 5013HL 5014 5014HL	—	5	35,000	0.76–0.96 0.76–0.96 0.76–1.10 0.76–1.10	—	7 7/8 8 3/8 7 7/8 8 3/8	7 3/4	17 13/16	1 1/16	6 7/8	1,682 2,079 1,717 2,082	—
5005 5005HL	5015 5015HL	—	6	35,000	0.96–1.28	—	7 7/8 8 3/8	8 1/8	21	1 1/16	7 3/4	2,430 2,925	—
QUADRANT TYPE, MALLEABLE IRON													
5010A 5110 5210 5310 5410	5011A 5111 5211 5311 5411	5012A 5112 5212 5312 5412	2 3 4 4 5	14,000 15,000 20,000 25,000 25,000	0.20–0.46 0.20–0.55 0.30–0.68 0.475–0.84 0.50–0.96	5/8 10 % 11 12 13	5 7/8 7 1/2 9 1/2 12 13	—	4 3/8 7 1/2 9 1/2 12 13	1 1/16 3/4 7/8 1 3/32 1 1/8	2 3/4 3 3/4 4 3/4 5 1/2 6	540 850 1,190 1,370 1,810	400 700 1,040 1,240 1,660

* This clamp is designed especially for dead-ending steel and high-strength composite conductors. Both clamp body and keeper have transversely ribbed seats. All parts are heat treated. Excellent for dead-ending ground wires.

HL Forged Clamps with Suffix HL have Hot-Line Adapter Instead of Standard Adapter.

Malleable-iron clamp bodies are ASTM specification material, normalized after annealing, and hot-dip galvanized. Forged-steel bodies are high-strength, corrosion-resisting material hot-dip galvanized.



ALUMINUM STRAIN CLAMPS

DROP-FORGED, MINIMUM POWER LOSS

On high-current transmission lines, the use of magnetic ferrous clamps, completely enclosing the conductor, causes considerable hysteresis and eddy-current power losses. The conductor heating and annealing effects of such clamps has been the current-limiting factor on some transmission systems.

In the clamps listed here, the magnetic path around the conductor is effectively broken by the use of non-magnetic clamp bodies. Power losses, even on heavily loaded lines are negligible—the temperature of the conductor in the clamped section may well be lower than that in the span, due to the greater radiation surface of the clamp assembly.

The Suspension and strain Clamp bodies are drop-forged from high-strength aluminum alloy and are heat-treated, with all of the desirable physical properties of

parts produced by these processes—superior strength and resistance to shock and fatigue without excessive mass and weight—uniformity and refinement of internal structure—lasting reliability in service—close dimensional fidelity—excellent finish and appearance.

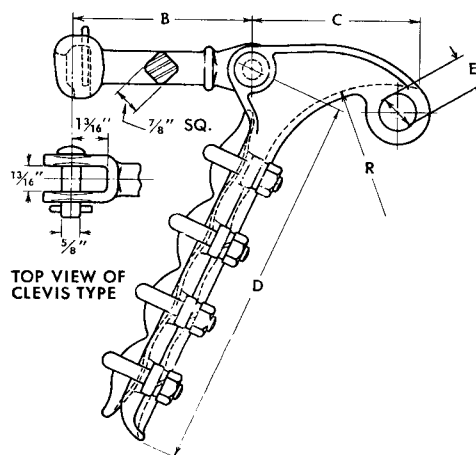
Clamping keepers and fully machined connectors are drop-forged steel.

Connecting pins, clamping bolts, nuts and lock washers are steel.

All ferrous parts are hot-dip galvanized.

Rated ultimate strengths are more than adequate for use on conductor sizes accommodated.

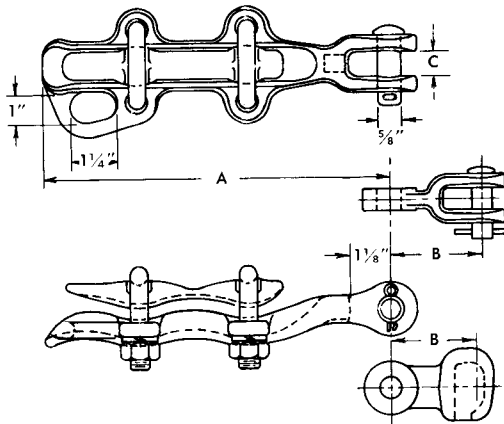
Further information on request.



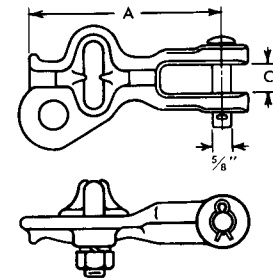
Cat. No.		No. of U-Bolts	Ultimate Strength, Pounds	Cable Diameter, Inches	DIMENSIONS—Inches					Shipping Weight, Lb/100
Socket	Clevis				B	C	D	E	R	
52001	52101	2	10,000	0.187–0.570	5 3/4	4 3/8	8	1	2 15/16	400
52001HL	52101HL				8 3/8					467
52011	52111	4	18,000	0.30–0.70	5 3/4	6	12 1/2	1	4 1/4	754
52011HL	52111HL				8 3/8					868
52021	52121	4	22,000	0.30–0.86	5 3/4	6	12 1/2	1	4 1/4	784
52021HL	52121HL				8 3/8					868
52031	52131	5	25,000	0.76–0.98	7 7/8	7 3/4	17 13/16	1 1/8	6 7/8	976
52031HL	52131HL				8 3/8					1,352
52041	52141	5	30,000	0.76–1.12	7 7/8	7 3/4	17 13/16	1 1/8	6 7/8	1,001
52041HL	52141HL				8 3/8					1,355
52051	52151	6	35,000	0.96–1.30	7 7/8	8 1/8	21	1 1/8	7 3/4	1,410
52051HL	52151HL				8 3/8					1,850

For use on A.C.S.R. and all-aluminum conductors.

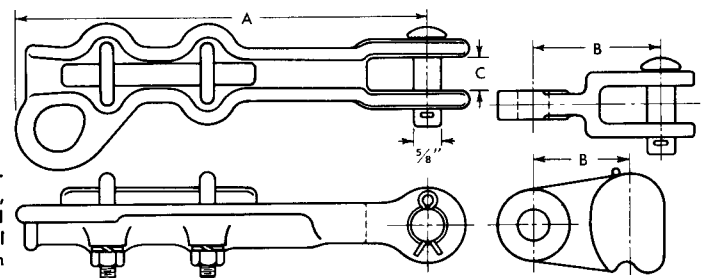
HL Forged Clamps with Suffix HL have hot line adapter instead of standard adapter.

**STRAIGHT-LINE DEAD-END CLAMPS**

Cat. Nos. 5099 thru 5459



Cat. No. 1638



Cat. Nos. 30621 thru 80158

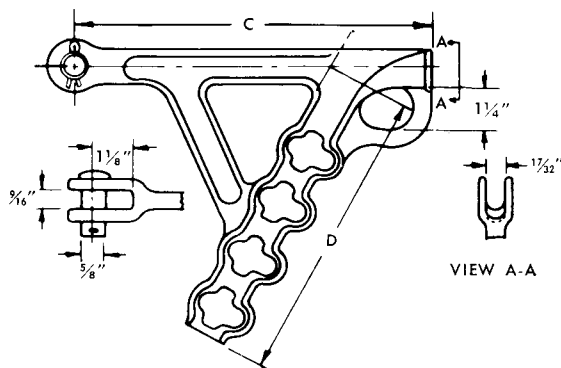
The straight-line Clamp was developed for distribution, light transmission and substation use on all conductors within its bore size range, including Copper, All-Aluminum, 18 x 1 and other A.C.S.R. The forged clamp body and keeper are furnished in either steel or aluminum and all other component parts from steel. The assembly may be supplied with a drop-forged socket adapter. All ferrous parts are hot-dip galvanized. Use of copper or aluminum liners is recommended in steel clamps.

Cat. No.	Body Keeper Material	Fitting	No. of U-Bolts	Ultimate Strength, Pounds	Cable Diameter, Inches	DIMENSIONS —Inches			Shipping Weight, Lb/100				
						A	B	C					
DROP-FORGED ALUMINUM AND STEEL													
5099 5147 5157	Steel	None Socket Clevis	2	15,000	0.30–0.60	8 ⁷ / ₈	— 2 ³ / ₈ 2 ¹ / ₂	1 ¹ / ₈	285 480 420				
5100 5148 5158		None Socket Clevis			0.46–0.86	9 ¹ / ₂	— 2 ³ / ₈ 2 ¹ / ₂		387 578 518				
5101 5149 5159		None Socket Clevis			0.65–1.25	11 ³ / ₄	— 2 ³ / ₈ 2 ¹ / ₂		624 830 770				
5399 5447 5457		Aluminum			None Socket Clevis	2	12,000		0.30–0.60	8 ⁷ / ₈	— 2 ³ / ₈ 2 ¹ / ₂	1 ¹ / ₈	185 380 320
5400 5448 5458					None Socket Clevis				0.46–0.86	9 ¹ / ₂	— 2 ³ / ₈ 2 ¹ / ₂		253 443 383
5401 5449 5459					None Socket Clevis				0.65–1.25	11 ³ / ₄	— 2 ³ / ₈ 2 ¹ / ₂		325 530 470
MALLEABLE IRON													
1638	Malleable Iron	None	1	7,000	0.16–0.38	4 ¹ / ₈	—	3 ⁴ / ₈	200				
30621		None	2	10,000	0.30–0.62	8 ³ / ₈	— 2 ¹ / ₈ 2 ¹ / ₃ / ₈		310 440 435				
30631		Socket Clevis				12,000	0.45–0.90		9 ⁵ / ₁₆	— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	425 555 550		
30641		None Socket Clevis							15,000	0.62–1.25	11 ¹ / ₂	— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	615 745 740
45901		None		17,000	0.80–1.56			13 ³ / ₈			— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865	
45911		Socket Clevis				17,000	0.80–1.56	13 ³ / ₈			— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865	
45921		None Socket Clevis						17,000	0.80–1.56	13 ³ / ₈	— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865	
62125		None	17,000	0.80–1.56	13 ³ / ₈					— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865		
62126		Socket Clevis			17,000	0.80–1.56	13 ³ / ₈			— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865		
62127		None Socket Clevis					17,000	0.80–1.56	13 ³ / ₈	— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865		
80156		None	17,000	0.80–1.56					13 ³ / ₈	— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865		
80157		Socket Clevis			17,000	0.80–1.56			13 ³ / ₈	— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865		
80158		None Socket Clevis					17,000	0.80–1.56	13 ³ / ₈	— 2 ¹ / ₈ 2 ¹ / ₃ / ₈	740 870 865		

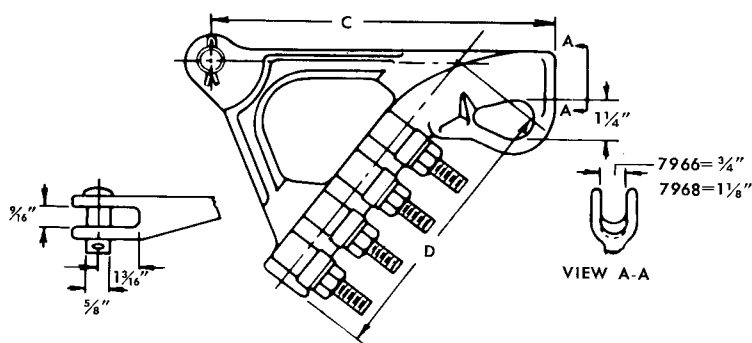


SIDE-OPENING STRAIN CLAMPS

MALLEABLE IRON



Cat. No. 7965



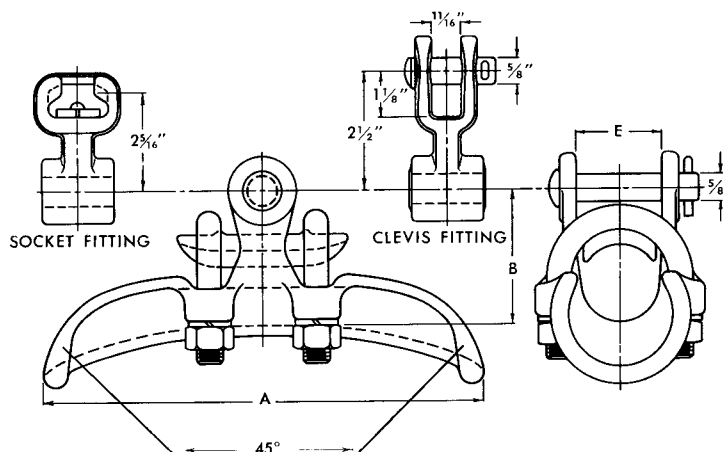
Cat. No. 7966, 7968

Cat. No.	Fitting	Keeper Bolt	Ultimate Strength, Pounds	Cable Diameter, Inches	DIMENSIONS—Inches		Shipping Weight, Lb/100
					C	D	
7965	None	J-Bolt	8,500	0.187–0.50	10 1/8	8 1/2	500
11541	Socket						640
6448	Clevis						620
7966	None		15,000	0.3 12–0.687	9 13/16	8 1/8	700
11542	Socket						850
6449	Clevis						820
7968	None		15,000	0.625–1.125	11 1/8	9 1/8	950
12925	Socket						1,100
6451	Clevis						1,070



TRANSMISSION SUSPENSION CLAMPS

ENVELOPE TYPE



These are standard-duty clamps designed for ACSR, copper, and all composite conductors. All clamps are regularly furnished with separate keepers.

Aluminum and copper liners are available for all clamps. Use of liners reduces diameter of clamp seat by 0.10 inch.

Cat. No. Adapter Furnished			Ultimate Strength, Pounds	Cable Diameter, Inches	DIMENSIONS.—Inches			Shipping Weight, Lb/100	
Socket	Clevis	None			A	B	E	Socket or Clevis	No Adapter
FORGED STEEL									
6200	6230	6240	17,000	0.125-0.460	6½	2⅛	¾	325	225
6201	6231	6241		0.312-0.600				330	230
6251*	6261*	6271*		0.187-0.600				335	235
6202	6232	6242	18,000	0.400-0.700	7¼	2⅞	1⅛	430	325
6203	6233	6243		0.500-0.830				440	335
6204	6234**	6244	22,000	0.625-1.000	8	2⅞	1¼	495	390
6205	6235**	6245		0.625-1.150				505	400
6255	6265**	6275	25,000	0.850-1.270	9½	2⅞	1⅝	660	505
6206	6236**	6246		1.125-1.375				670	515
6257	6267**	6277		1.125-1.450				680	525
6207	6237**	6247		1.125-1.600				695	540
6208†	6238†**	6248†	25,000	1.375-1.800	10¼	3⅛	2	1,005	830
6209†	6239†**	6249†		1.375-2.000				1,030	855
6210†	6280†**	6290†	25,000	1.625-2.250	12	4	2¼	1,195	1,005
6211†	6281†**	6291†		1.625-2.500				1,290	1,100
MALLEABLE IRON									
1101	1201	1301	16,000	0.200-0.460	5¾	2⅛	1⅝	380	240
1103	1203	1303		0.300-0.600	7	2¼	1⅛	425	290
1105	1205	1305	18,000	0.300-0.700	7	2¼	2⅝	460	320
1107	1207	1307		0.400-0.820	7½	2⅜	1⅝	480	340
1109	1209	1309	25,000	0.500-1.000	8	2⅜	1⅛	610	455
1111	1211	1311		0.700-1.150		2½	1¼	620	460
11115	12115	13115	25,000	0.850-1.270	8½	2⅜	1⅝	650	500
1113	1213	1313		0.800-1.380	8¾	2¾	1⅝	805	640
1115	1215	1315	25,000	0.900-1.450	9	2⅞	1⅞	795	625
1117	1217	1317		1.000-1.600	10	3	1⅞	1,015	835
1119	1219	1319	25,000	1.200-1.800	10	3¼	1⅞	1,150	965
1121	1221	1321		1.300-2.000	10½	3½	2⅞	1,240	1,050
1123	1223	1323		1.500-2.250	11	3¾	2⅞	1,405	1,200

* 2-Groove reversible keepers.

** Use No. 3047 clevis eye—2 3/4" spacing.

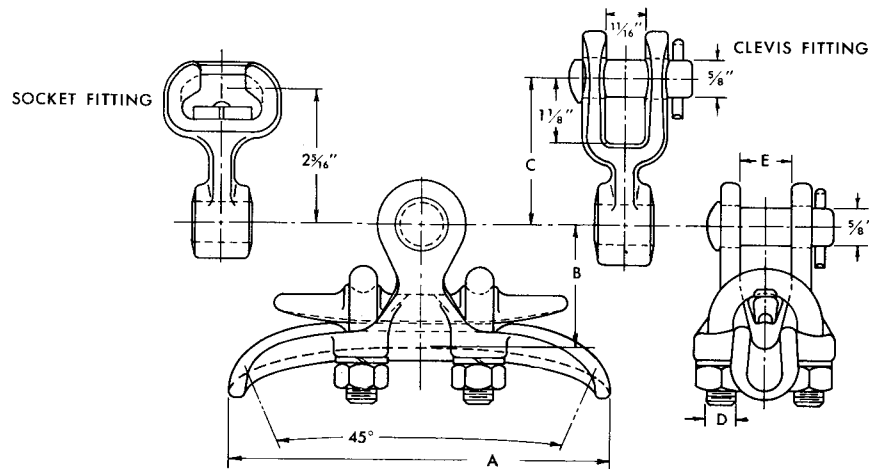
† Have 5/8" diameter U-bolts.

Note: The above catalog numbers denote clamps with U-bolts.



ALUMINUM SUSPENSION CLAMPS

DROP-FORGED, MINIMUM POWER LOSS

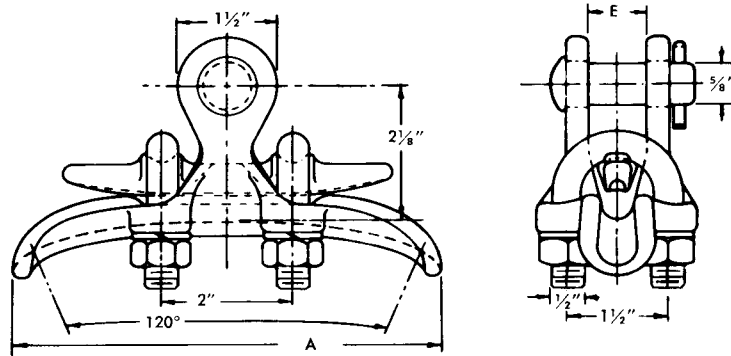


Cat. No. 9500

A wide range of sizes makes possible the selection of exactly the right clamp to fit the conductor properly.

Cat. No.			Ultimate Strength, Pounds	Cable Diameter, Inches	DIMENSIONS—Inches					Ship. Wt., Lb/100	
Socket	Clevis	None			A	B	C	D	E	Socket or Clevis	No Adapter
9500	9530	9540	17,000	0.125-0.430	6½	2⅞	2½	½	¾	240	140
9501	9531	9541		0.312-0.620						245	145
9502	9532	9542	18,000	0.400-0.720	7¼	2⅝	2½	½	1⅞	323	218
9503	9533	9543		0.500-0.850						333	228
9504	9534	9544	22,000	0.625-1.020	8	2⅞	2¾	½	1¼	371	266
9505	9535	9545		0.625-1.170						381	276
9555	9565	9575	25,000	0.850-1.290	9½	2⅞	2¾	½	1⅞	433	278
9506	9536	9546		1.125-1.395						443	288
9557	9567	9577		1.125-1.470						453	298
9507	9537	9547		1.125-1.620						468	313
9508	9538	9548	25,000	1.375-1.820	10¼	3⅞	2¾	¾	2	688	513
9509	9539	9549		1.375-2.020						713	538
9510	9580	9590	25,000	1.625-2.270	12	4 3⅝	2¾	¾	2¼ 2½	863	733
9511	9581	9591		1.625-2.520						895	765

Note: For use on A.C.S.R. and all-aluminum conductors.

**GROUND-WIRE SUSPENSION CLAMPS****FORGED STEEL****Cat. No. 2500 Series**

Cat. No.	Ultimate Strength, Pounds	Cable Diameter, Inches	DIMENSIONS—Inches		Shipping Weight, Lb/100
			A	E	
2500	15,000	0.125–0.460	5 3/4	7/8	225
2501	17,000	0.312–0.600			225
2502	18,000	0.400–0.700	6	1 1/8	325
2503	18,000	0.500–0.830			335