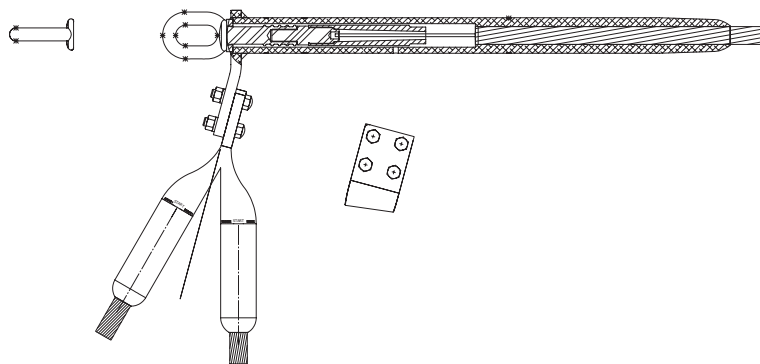


Compression Dead Ends for ACCC



Catalog Number Configuration for Dead Ends With Terminals

B12775 - **AFL Code** - **EHV** - **ACCC** - **COL**

Blank = voltage <345 kV
EHV = voltage ≥345 kV

Catalog Number Configuration for Dead Ends Without Terminals

B12775 - **AFL + NT Code** - **EHV** - **ACCC** - **COL**

Blank = With 15-degree terminal
NT = No terminal included

Blank = voltage <345 kV
EHV = voltage ≥345 kV

Notes

1. For 345 kV and above, add suffix "EHV" to AFL No. For example, B12775-TEHV-ACCC-COL.
2. For stainless steel hardware, add suffix "SS" to the AFL No. For example, B12775-KEHVSS-ACCC-COL.
3. For no terminal, add "NT" to the AFL No. For example, B12775-BNT-ACCC-COL.
4. Contact AFL at 1.800.866.7385 for more information.

AFL NO.		ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
DEAD END WITH TERMINAL	DEAD END WITHOUT TERMINAL													
		SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/KFT)	(KG/KM)	(LBF)	(KN)	(LBF)	(KN)
B12775-K-ACCC-COL	B12775-KNT-ACCC-COL	PASADENA	305	154.4	0.616	15.65	0.235	5.97	321	478	13,600	60.4	15,500	68.9
B12775-K-ACCC-COL	B12775-KNT-ACCC-COL	HELSINKI	297	150.6	0.616	15.65	0.235	5.97	317	471	13,600	60.4	15,500	68.9
B12775-G-ACCC-COL	B12775-GNT-ACCC-COL	JAIPUR	309	156.7	0.650	16.50	0.305	7.75	349	519	22,900	101.7	24,900	110.8
B12775-BB-ACCC-COL	B12775-BBNT-ACCC-COL	ZADAR	356	180.3	0.673	17.09	0.280	7.11	386	574	19,300	85.7	21,600	96.1
B12775-BC-ACCC-COL	B12775-BCNT-ACCC-COL	ROVINJ	378	191.6	0.673	17.10	0.235	5.97	392	583	13,600	60.4	16,000	71.2
B12775-BC-ACCC-COL	B12775-BCNT-ACCC-COL	OSTRICH (OCEANSIDE)	383	194.2	0.680	17.27	0.235	5.97	396	589	13,600	60.4	16,000	71.2
B12775-L-ACCC-COL	B12775-LNT-ACCC-COL	LINNET (LA JOLLA)	430	218.1	0.720	18.29	0.235	5.97	440	655	13,600	60.4	16,300	72.5
B12775-L-ACCC-COL	B12775-LNT-ACCC-COL	COPENHAGEN	434	219.9	0.720	18.29	0.235	5.97	444	661	13,600	60.4	16,400	72.8
B12775-M-ACCC-COL	B12775-MNT-ACCC-COL	ORIOLE (OXNARD)	439	222.3	0.741	18.82	0.280	7.11	463	689	19,300	85.7	22,100	98.3
B12775-M-ACCC-COL	B12775-MNT-ACCC-COL	REYKJAVIK	440	223.1	0.741	18.82	0.280	7.11	466	694	19,300	85.7	22,100	98.3
B12775-BD-ACCC-COL	B12775-BDNT-ACCC-COL	GDANSK	491	248.7	0.756	19.20	0.235	5.97	499	743	13,600	60.4	16,700	74.3
B12775-N-ACCC-COL	B12775-NNT-ACCC-COL	GLASGOW	467	236.7	0.769	19.53	0.305	7.75	492	732	22,900	101.7	25,900	115.0
B12775-N-ACCC-COL	B12775-NNT-ACCC-COL	WACO	454	230.1	0.770	19.56	0.305	7.75	485	721	22,900	101.7	25,800	114.8
B12775-P-ACCC-COL	B12775-PNT-ACCC-COL	LAREDO	530	268.4	0.807	20.50	0.280	7.11	548	816	19,300	85.7	22,700	101.0
B12775-P-ACCC-COL	B12775-PNT-ACCC-COL	CASABLANCA	540	273.6	0.807	20.50	0.280	7.11	561	834	19,300	85.7	22,700	101.1
B12775-R-ACCC-COL	B12775-RNT-ACCC-COL	MONTE CARLO	451	228.5	0.818	20.78	0.415	10.54	537	799	42,300	188.3	45,200	201.2
B12775-S-ACCC-COL	B12775-SNT-ACCC-COL	ULS MONTE CARLO	451	228.5	0.819	20.79	0.415	10.54	537	799	50,700	225.6	53,600	238.6
B12775-B-ACCC-COL	B12775-BNT-ACCC-COL	HAWK (HERMOSA/LISBOON)	611	309.7	0.858	21.79	0.280	7.11	625	930	19,300	85.7	23,200	103.2
B12775-B-ACCC-COL	B12775-BNT-ACCC-COL	LISBON	623	315.5	0.858	21.79	0.280	7.11	637	948	19,300	85.7	23,300	103.5

Compression Dead Ends for ACCC (cont.)

AFL NO.		ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
DEAD END WITH TERMINAL	DEAD END WITHOUT TERMINAL													
B12775-F-ACCC-COL	B12775-FNT-ACCC-COL	IRVING	609	308.8	0.882	22.40	0.345	8.76	649	965	29,300	130.2	33,200	147.7
B12775-F-ACCC-COL	B12775-FNT-ACCC-COL	OSLO	619	313.8	0.882	22.40	0.345	8.76	659	981	29,300	130.2	33,200	147.8
B12775-T-ACCC-COL	B12775-TNT-ACCC-COL	DOVE (DOHNEY)	714	361.5	0.927	23.55	0.305	7.75	728	1083	22,900	101.7	27,500	122.3
B12775-T-ACCC-COL	B12775-TNT-ACCC-COL	AMSTERDAM	725	367.4	0.927	23.55	0.305	7.75	740	1101	22,900	101.7	27,500	122.4
B12775-X-ACCC-COL	B12775-XNT-ACCC-COL	ULS 25mm	753	381.8	0.984	25.00	0.415	10.54	817	1216	50,700	225.6	55,600	247.2
B12775-W-ACCC-COL	B12775-WNT-ACCC-COL	GROSBEAK (GOLETA)	821	416.2	0.990	25.15	0.320	8.13	837	1245	25,200	112.0	30,400	135.2
B12775-W-ACCC-COL	B12775-WNT-ACCC-COL	BRUSSELS	832	421.4	0.990	25.15	0.320	8.13	850	1265	25,200	112.0	30,500	135.7
B12775-Y-ACCC-COL	B12775-YNT-ACCC-COL	ULS LEIPZIG	802	406.4	0.990	25.15	0.375	9.53	842	1253	41,300	183.5	46,600	207.3
B12775-BE-ACCC-COL	B12775-BENT-ACCC-COL	STOCKHOLM 2L	914	463.3	1.039	26.39	0.345	8.76	937	1395	29,300	130.2	35,100	156.2
B12775-BE-ACCC-COL	B12775-BENT-ACCC-COL	STOCKHOLM 3L	895	453.7	1.039	26.39	0.345	8.76	919	1368	29,300	130.2	35,000	155.7
B12775-BF-ACCC-COL	B12775-BFNT-ACCC-COL	LUBBOCK	904	458.0	1.040	26.42	0.345	8.76	924	1376	29,300	130.2	35,100	156.1
B12775-Z-ACCC-COL	B12775-ZNT-ACCC-COL	GALVESTON	1011	512.4	1.090	27.69	0.345	8.76	1025	1526	29,300	130.2	35,700	158.8
B12775-Z-ACCC-COL	B12775-ZNT-ACCC-COL	WARSAW	1002	507.5	1.091	27.71	0.345	8.76	1021	1520	29,300	130.2	35,700	158.7
B12775-A-ACCC-COL	B12775-ANT-ACCC-COL	DRAKE (DEL MAR)	1026	519.7	1.108	28.14	0.375	9.53	1052	1565	34,600	153.8	41,200	183.3
B12775-A-ACCC-COL	B12775-ANT-ACCC-COL	DUBLIN	1035	524.5	1.108	28.14	0.375	9.53	1064	1583	34,600	153.8	41,200	183.3
B12775-AA-ACCC-COL	B12775-AANT-ACCC-COL	CURLEW (CRESCENT)	1059	536.8	1.127	28.63	0.345	8.76	1073	1597	29,300	130.2	36,000	160.1
B12775-AB-ACCC-COL	B12775-ABNT-ACCC-COL	HAMBURG	1078	546.4	1.127	28.63	0.345	8.76	1093	1627	29,300	130.2	36,200	160.9
B12775-AC-ACCC-COL	B12775-ACNT-ACCC-COL	KOLKATA	1073	543.5	1.127	28.63	0.375	9.53	1104	1643	34,600	153.8	41,400	184.0
B12775-AB-ACCC-COL	B12775-ABNT-ACCC-COL	PLANO	1033	523.4	1.140	28.96	0.415	10.54	1082	1610	42,300	188.3	49,000	218.0
B12775-AD-ACCC-COL	B12775-ADNT-ACCC-COL	ULS MAHAKAM	1075	544.9	1.142	29.01	0.415	10.54	1127	1677	50,700	225.6	57,600	256.3
B12775-AE-ACCC-COL	B12775-AENT-ACCC-COL	CORPUS CHRISTI	1103	558.9	1.146	29.11	0.345	8.76	1113	1657	29,300	130.2	36,300	161.5
B12775-AE-ACCC-COL	B12775-AENT-ACCC-COL	MILAN	1120	567.7	1.146	29.11	0.345	8.76	1133	1686	29,300	130.2	36,400	162.1
B12775-AF-ACCC-COL	B12775-AFNT-ACCC-COL	ARLINGTON	1151	583.2	1.177	29.90	0.375	9.53	1173	1745	34,600	153.8	41,900	186.4
B12775-AF-ACCC-COL	B12775-AFNT-ACCC-COL	ROME	1169	592.5	1.177	29.90	0.375	9.53	1192	1774	34,600	153.8	42,100	187.1
B12775-AG-ACCC-COL	B12775-AGNT-ACCC-COL	CARDINAL (CARLSBAD)	1222	619.1	1.198	30.43	0.345	8.76	1225	1823	29,300	130.2	37,100	165.0
B12775-AG-ACCC-COL	B12775-AGNT-ACCC-COL	VIENNA	1242	629.2	1.198	30.43	0.345	8.76	1245	1853	29,300	130.2	37,200	165.5
B12775-AH-ACCC-COL	B12775-AHNT-ACCC-COL	FORT WORTH	1300	658.9	1.240	31.50	0.375	9.53	1312	1952	34,600	153.8	42,900	190.8
B12775-AH-ACCC-COL	B12775-AHNT-ACCC-COL	BUDAPEST	1319	668.3	1.240	31.50	0.375	9.53	1333	1984	34,600	153.8	43,000	191.4
B12775-AK-ACCC-COL	B12775-AKNT-ACCC-COL	PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	29,300	130.2	38,000	169.0
B12775-AL-ACCC-COL	B12775-ALNT-ACCC-COL	ULS PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	34,900	155.1	43,800	194.8
B12775-AM-ACCC-COL	B12775-AMNT-ACCC-COL	MUMBAI	1353	685.4	1.251	31.78	0.375	9.53	1367	2035	34,600	153.8	43,200	192.0
B12775-AK-ACCC-COL	B12775-AKNT-ACCC-COL	EL PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	29,300	130.2	37,900	168.6
B12775-AL-ACCC-COL	B12775-ALNT-ACCC-COL	ULS EI PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	34,900	155.1	43,500	193.5
B12775-H-ACCC-COL	B12775-HNT-ACCC-COL	MUNICH	1447	733.1	1.293	32.84	0.375	9.53	1458	2170	34,600	153.8	43,800	195.0
B12775-H-ACCC-COL	B12775-HNT-ACCC-COL	BEAUMONT	1429	723.9	1.294	32.87	0.375	9.53	1436	2136	34,600	153.8	43,700	194.4
B12775-AN-ACCC-COL	B12775-ANNT-ACCC-COL	SAN ANTONIO	1475	747.3	1.315	33.40	0.385	9.78	1486	2212	36,400	162.1	45,900	204.2
B12775-AN-ACCC-COL	B12775-ANNT-ACCC-COL	LONDON	1498	759.0	1.315	33.40	0.385	9.78	1511	2248	36,400	162.1	46,000	204.8
B12775-AP-ACCC-COL	B12775-APNT-ACCC-COL	BITTERN (BALBOA)	1582	801.4	1.345	34.16	0.345	8.76	1566	2331	29,300	130.2	39,400	175.3
B12775-AR-ACCC-COL	B12775-ARNT-ACCC-COL	ULS BITTERN (BALBOA)	1582	801.4	1.345	34.16	0.345	8.76	1566	2331	34,900	155.1	45,000	200.2
B12775-AP-ACCC-COL	B12775-APNT-ACCC-COL	PARIS	1606	813.7	1.345	34.16	0.345	8.76	1590	2366	29,300	130.2	39,600	175.9
B12775-AW-ACCC-COL	B12775-AWNT-ACCC-COL	BORDEAUX	1738	880.8	1.408	35.76	0.415	10.54	1859	2766	42,300	188.3	53,500	237.9
B12775-AS-ACCC-COL	B12775-ASNT-ACCC-COL	ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	36,400	162.1	48,400	215.2
B12775-AT-ACCC-COL	B12775-ATNT-ACCC-COL	ULS ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	43,500	193.5	55,600	247.3

Compression Dead Ends for ACCC (cont.)

AFL NO.		ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
DEAD END WITH TERMINAL	DEAD END WITHOUT TERMINAL		SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/KFT)	(KG/KM)	(LBF)	(KN)	(LBF)
B12775-AS-ACCC-COL	B12775-ASNT-ACCC-COL	DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	36,400	162.1	47,900	213.1
B12775-AT-ACCC-COL	B12775-ATNT-ACCC-COL	ULS DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	43,500	193.5	55,000	244.7
B12775-AX-ACCC-COL	B12775-AXNT-ACCC-COL	LAPWING (LAGUNA)	1949	987.5	1.504	38.20	0.385	9.78	1940	2887	36,400	162.1	48,900	217.5
B12775-E-ACCC-COL	B12775-ENT-ACCC-COL	BERLIN (MADRID-ICE)	1986	1006.5	1.504	38.20	0.415	10.54	1982	2949	42,300	188.3	55,100	245.0
B12775-AX-ACCC-COL	B12775-AXNT-ACCC-COL	MADRID	1999	1013.0	1.504	38.20	0.385	9.78	1981	2948	36,400	162.1	49,200	219.1
B12775-E-ACCC-COL	B12775-ENT-ACCC-COL	HOUSTON	1927	976.6	1.506	38.25	0.415	10.54	1934	2878	42,300	188.3	54,700	243.3
B12775-AY-ACCC-COL	B12775-AYNT-ACCC-COL	FALCON (SANOMA)	2045	1036.2	1.545	39.24	0.415	10.54	2045	3044	42,300	188.3	55,400	246.4
B12775-D-ACCC-COL	B12775-DNT-ACCC-COL	CHUKAR (CARMEL)	2242	1135.8	1.604	40.74	0.395	10.03	2220	3303	38,400	170.6	52,700	234.4
B12775-BA-ACCC-COL	B12775-BANT-ACCC-COL	CHUKAR II (CAPISTRANO)	2606	1320.3	1.720	43.69	0.395	10.03	2570	3825	38,400	170.6	55,100	245.1
B12775-AZ-ACCC-COL	B12775-AZNT-ACCC-COL	BLUEBIRD (BIG SUR)	2741	1388.7	1.762	44.75	0.415	10.54	2703	4022	42,300	188.3	59,900	266.4
B12775-AZ-ACCC-COL	B12775-AZNT-ACCC-COL	ATHENS	2782	1409.6	1.762	44.75	0.415	10.54	2732	4066	42,300	188.3	60,200	267.6

Compression Joints for ACCC



Catalog Number Configuration for Compression Joints

B12929 – **AFL Code** – **ACCC** – **COL**

Notes

1. All Compression Joints are rated for "EHV."
2. For more information, contact AFL at 1.800.866.7385.

AFL NO. COMPRESSION JOINT	ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
	SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/KFT)	(KG/KM)	(LBF)	(KN)	(LBF)	(KN)
B12929-K-ACCC-COL	PASADENA	305	154.4	0.616	15.65	0.235	5.97	321	478	13,600	60.4	15,500	68.9
B12929-K-ACCC-COL	HELSINKI	297	150.6	0.616	15.65	0.235	5.97	317	471	13,600	60.4	15,500	68.9
B12929-G-ACCC-COL	JAIPUR	309	156.7	0.650	16.50	0.305	7.75	349	519	22,900	101.7	24,900	110.8
B12929-BB-ACCC-COL	ZADAR	356	180.3	0.673	17.09	0.280	7.11	386	574	19,300	85.7	21,600	96.1
B12929-BC-ACCC-COL	ROVINJ	378	191.6	0.673	17.10	0.235	5.97	392	583	13,600	60.4	16,000	71.2
B12929-BC-ACCC-COL	OSTRICH (OCEANSIDE)	383	194.2	0.680	17.27	0.235	5.97	396	589	13,600	60.4	16,000	71.2
B12929-L-ACCC-COL	LINNET (LA JOLLA)	430	218.1	0.720	18.29	0.235	5.97	440	655	13,600	60.4	16,300	72.5
B12929-L-ACCC-COL	COPENHAGEN	434	219.9	0.720	18.29	0.235	5.97	444	661	13,600	60.4	16,400	72.8
B12929-M-ACCC-COL	ORIOLE (OXNARD)	439	222.3	0.741	18.82	0.280	7.11	463	689	19,300	85.7	22,100	98.3
B12929-M-ACCC-COL	REYKJAVIK	440	223.1	0.741	18.82	0.280	7.11	466	694	19,300	85.7	22,100	98.3
B12929-BD-ACCC-COL	GDANSK	491	248.7	0.756	19.20	0.235	5.97	499	743	13,600	60.4	16,700	74.3
B12929-N-ACCC-COL	GLASGOW	467	236.7	0.769	19.53	0.305	7.75	492	732	22,900	101.7	25,900	115.0
B12929-N-ACCC-COL	WACO	454	230.1	0.770	19.56	0.305	7.75	485	721	22,900	101.7	25,800	114.8
B12929-P-ACCC-COL	LAREDO	530	268.4	0.807	20.50	0.280	7.11	548	816	19,300	85.7	22,700	101.0
B12929-P-ACCC-COL	CASABLANCA	540	273.6	0.807	20.50	0.280	7.11	561	834	19,300	85.7	22,700	101.1
B12929-R-ACCC-COL	MONTE CARLO	451	228.5	0.818	20.78	0.415	10.54	537	799	42,300	188.3	45,200	201.2
B12929-S-ACCC-COL	ULS MONTE CARLO	451	228.5	0.819	20.79	0.415	10.54	537	799	50,700	225.6	53,600	238.6
B12929-B-ACCC-COL	HAWK (HERMOSA/LISBOON)	611	309.7	0.858	21.79	0.280	7.11	625	930	19,300	85.7	23,200	103.2
B12929-B-ACCC-COL	LISBON	623	315.5	0.858	21.79	0.280	7.11	637	948	19,300	85.7	23,300	103.5
B12929-F-ACCC-COL	IRVING	609	308.8	0.882	22.40	0.345	8.76	649	965	29,300	130.2	33,200	147.7
B12929-F-ACCC-COL	OSLO	619	313.8	0.882	22.40	0.345	8.76	659	981	29,300	130.2	33,200	147.8
B12929-T-ACCC-COL	DOVE (DOHNEY)	714	361.5	0.927	23.55	0.305	7.75	728	1083	22,900	101.7	27,500	122.3
B12929-T-ACCC-COL	AMSTERDAM	725	367.4	0.927	23.55	0.305	7.75	740	1101	22,900	101.7	27,500	122.4
B12929-X-ACCC-COL	ULS 25mm	753	381.8	0.984	25.00	0.415	10.54	817	1216	50,700	225.6	55,600	247.2
B12929-W-ACCC-COL	GROSBEAK (GOLETA)	821	416.2	0.990	25.15	0.320	8.13	837	1245	25,200	112.0	30,400	135.2
B12929-W-ACCC-COL	BRUSSELS	832	421.4	0.990	25.15	0.320	8.13	850	1265	25,200	112.0	30,500	135.7
B12929-Y-ACCC-COL	ULS LEIPZIG	802	406.4	0.990	25.15	0.375	9.53	842	1253	41,300	183.5	46,600	207.3
B12929-BE-ACCC-COL	STOCKHOLM 2L	914	463.3	1.039	26.39	0.345	8.76	937	1395	29,300	130.2	35,100	156.2
B12929-BE-ACCC-COL	STOCKHOLM 3L	895	453.7	1.039	26.39	0.345	8.76	919	1368	29,300	130.2	35,000	155.7
B12929-BF-ACCC-COL	LUBBOCK	904	458.0	1.040	26.42	0.345	8.76	924	1376	29,300	130.2	35,100	156.1
B12929-Z-ACCC-COL	GALVESTON	1011	512.4	1.090	27.69	0.345	8.76	1025	1526	29,300	130.2	35,700	158.8
B12929-Z-ACCC-COL	WARSAW	1002	507.5	1.091	27.71	0.345	8.76	1021	1520	29,300	130.2	35,700	158.7
B12929-A-ACCC-COL	DRAKE (DEL MAR)	1026	519.7	1.108	28.14	0.375	9.53	1052	1565	34,600	153.8	41,200	183.3
B12929-A-ACCC-COL	DUBLIN	1035	524.5	1.108	28.14	0.375	9.53	1064	1583	34,600	153.8	41,200	183.3
B12929-AB-ACCC-COL	PLANO	1059	536.8	1.127	28.63	0.345	8.76	1073	1597	29,300	130.2	36,000	160.1

Compression Joints for ACCC (cont.)

AFL NO.	ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
COMPRESSION JOINT		SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/ KFT)	(KG/ KM)	(LBF)	(KN)	(LBF)
B12929-AB-ACCC-COL	HAMBURG	1078	546.4	1.127	28.63	0.345	8.76	1093	1627	29,300	130.2	36,200	160.9
B12929-AC-ACCC-COL	KOLKATA	1073	543.5	1.127	28.63	0.375	9.53	1104	1643	34,600	153.8	41,400	184.0
B12929-AA-ACCC-COL	CURLEW (CRESCENT)	1033	523.4	1.140	28.96	0.415	10.54	1082	1610	42,300	188.3	49,000	218.0
B12929-AD-ACCC-COL	ULS MAHAKAM	1075	544.9	1.142	29.01	0.415	10.54	1127	1677	50,700	225.6	57,600	256.3
B12929-AE-ACCC-COL	CORPUS CHRISTI	1103	558.9	1.146	29.11	0.345	8.76	1113	1657	29,300	130.2	36,300	161.5
B12929-AE-ACCC-COL	MILAN	1120	567.7	1.146	29.11	0.345	8.76	1133	1686	29,300	130.2	36,400	162.1
B12929-AF-ACCC-COL	ARLINGTON	1151	583.2	1.177	29.90	0.375	9.53	1173	1745	34,600	153.8	41,900	186.4
B12929-AF-ACCC-COL	ROME	1169	592.5	1.177	29.90	0.375	9.53	1192	1774	34,600	153.8	42,100	187.1
B12929-AG-ACCC-COL	CARDINAL (CARLSBAD)	1222	619.1	1.198	30.43	0.345	8.76	1225	1823	29,300	130.2	37,100	165.0
B12929-AG-ACCC-COL	VIENNA	1242	629.2	1.198	30.43	0.345	8.76	1245	1853	29,300	130.2	37,200	165.5
B12929-AH-ACCC-COL	FORT WORTH	1300	658.9	1.240	31.50	0.375	9.53	1312	1952	34,600	153.8	42,900	190.8
B12929-AH-ACCC-COL	BUDAPEST	1319	668.3	1.240	31.50	0.375	9.53	1333	1984	34,600	153.8	43,000	191.4
B12929-AK-ACCC-COL	PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	29,300	130.2	38,000	169.0
B12929-AL-ACCC-COL	ULS PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	34,900	155.1	43,800	194.8
B12929-AM-ACCC-COL	MUMBAI	1353	685.4	1.251	31.78	0.375	9.53	1367	2035	34,600	153.8	43,200	192.0
B12929-AK-ACCC-COL	EL PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	29,300	130.2	37,900	168.6
B12929-AL-ACCC-COL	ULS EL PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	34,900	155.1	43,500	193.5
B12929-H-ACCC-COL	MUNICH	1447	733.1	1.293	32.84	0.375	9.53	1458	2170	34,600	153.8	43,800	195.0
B12929-H-ACCC-COL	BEAUMONT	1429	723.9	1.294	32.87	0.375	9.53	1436	2136	34,600	153.8	43,700	194.4
B12929-AN-ACCC-COL	SAN ANTONIO	1475	747.3	1.315	33.40	0.385	9.78	1486	2212	36,400	162.1	45,900	204.2
B12929-AN-ACCC-COL	LONDON	1498	759.0	1.315	33.40	0.385	9.78	1511	2248	36,400	162.1	46,000	204.8
B12929-AP-ACCC-COL	BITTERN (BALBOA)	1582	801.4	1.345	34.16	0.345	8.76	1566	2331	29,300	130.2	39,400	175.3
B12929-AR-ACCC-COL	ULS BITTERN (BALBOA)	1582	801.4	1.345	34.16	0.345	8.76	1566	2331	34,900	155.1	45,000	200.2
B12929-AP-ACCC-COL	PARIS	1606	813.7	1.345	34.16	0.345	8.76	1590	2366	29,300	130.2	39,600	175.9
B12929-AW-ACCC-COL	BORDEAUX	1738	880.8	1.408	35.76	0.415	10.54	1859	2766	42,300	188.3	53,500	237.9
B12929-AS-ACCC-COL	ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	36,400	162.1	48,400	215.2
B12929-AT-ACCC-COL	ULS ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	43,500	193.5	55,600	247.3
B12929-AS-ACCC-COL	DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	36,400	162.1	47,900	213.1
B12929-AT-ACCC-COL	ULS DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	43,500	193.5	55,000	244.7
B12929-AX-ACCC-COL	LAPWING (LAGUNA)	1949	987.5	1.504	38.20	0.385	9.78	1940	2887	36,400	162.1	48,900	217.5
B12929-E-ACCC-COL	BERLIN (MADRID-ICE)	1986	1006.5	1.504	38.20	0.415	10.54	1982	2949	42,300	188.3	55,100	245.0
B12929-AX-ACCC-COL	MADRID	1999	1013.0	1.504	38.20	0.385	9.78	1981	2948	36,400	162.1	49,200	219.1
B12929-E-ACCC-COL	HOUSTON	1927	976.6	1.506	38.25	0.415	10.54	1934	2878	42,300	188.3	54,700	243.3
B12929-AY-ACCC-COL	FALCON (SANOMA)	2045	1036.2	1.545	39.24	0.415	10.54	2045	3044	42,300	188.3	55,400	246.4
B12929-D-ACCC-COL	CHUKAR (CARMEL)	2242	1135.8	1.604	40.74	0.395	10.03	2220	3303	38,400	170.6	52,700	234.4
B12929-BA-ACCC-COL	CHUKAR II (CAPIST-RANO)	2606	1320.3	1.720	43.69	0.395	10.03	2570	3825	38,400	170.6	55,100	245.1
B12929-AZ-ACCC-COL	BLUEBIRD (BIG SUR)	2741	1388.7	1.762	44.75	0.415	10.54	2703	4022	42,300	188.3	59,900	266.4
B12929-AZ-ACCC-COL	ATHENS	2782	1409.6	1.762	44.75	0.415	10.54	2732	4066	42,300	188.3	60,200	267.6

HIBUS Series

With over 80 years of experience designing and manufacturing accessory products for electric power utilities, AFL is a recognized leader, providing superior product solutions and improving reliability of critical infrastructure components used for the transmission and distribution of electricity.

We commit to being proactive to our customers' needs and it is with this commitment that we are introducing the Hinged Bushing (HIBUS) clamp series, available in both suspension and trunnion configurations. Designed to reduce static and dynamic stress at the attachment point on transmission conductors, HIBUS clamps are a versatile, cost-effective choice.

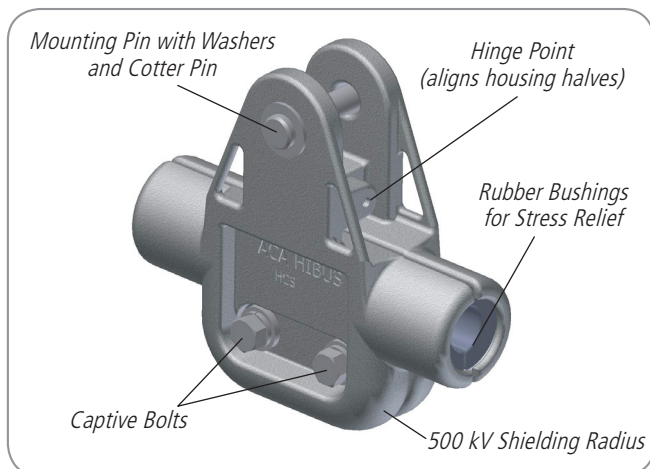


The HIBUS Series features the Conductor Suspension (left) and Conductor Trunnion (above).

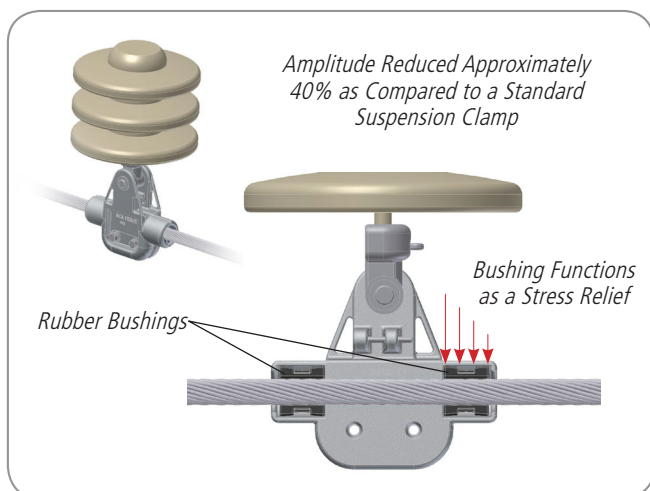
HIBUS Series – Conductor Suspension



Suspension Components



Suspension Configuration



The HIBUS clamp is designed to reduce static and dynamic stress at the attachment point on transmission conductors without the use of armor rods or line guards. Rated for 250°C operation, the HIBUS clamp has a specially formulated bushing material for high temperature conductors. The hinged concept on the suspension configuration provides self-alignment of the housing halves. All hardware is captive except for the mounting pin.

Test results have shown that the unique bushing system significantly reduces the bending strain level produced by the effects of Aeolian vibration as compared to standard clamps using armor rods or line guards. This proven level of performance eliminates the need for any type of attachment using rods. Test reports available include corona test, high temperature profile, standard and high temperature slip, ultimate strength, and catastrophic conductor failure impact strength.

Features

- Suitable for all ACSR and ACSS conductors
- Self-aligning housing halves
- Stress relief bushings reduce bending strain 40%
- Aluminum clamp body with captive stainless steel mounting bolts
- Galvanized steel mounting pin with two washers and cotter pin for added security
- Optional bolt, nut, and cotter pin ("BNC" suffix) available on some sizes. Contact AFL for availability.
- Optional Live-line Attachment Tool available
- Line angles up to 30° for single unit, up to 60° for two units
- Rated for 500 kV applications
- Rated for 250°C high temperature applications (with special bushings)

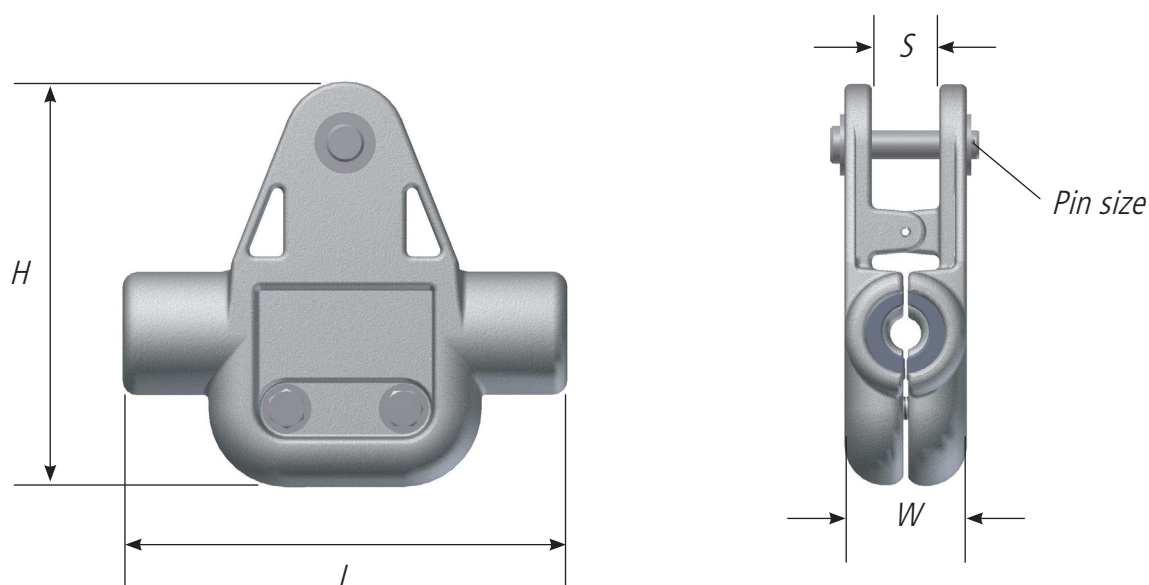
Ordering Information

HCSHT	1073	LL	BNC
HCS = HIBUS Series Conductor Suspension HCSHT = HIBUS Series Conductor Suspension for high temperature applications	Conductor Range Code	Blank = no Live-line Attachment Point LL = include Live-line Attachment Point	Blank = Clevis Pin and Cotter Pin Attachment BNC = Bolt, Nut, Cotter Pin Attachment (Note: limited availability for BNC, contact AFL)

ORDERING EXAMPLE: HCSHT1073LL

HIBUS Series Conductor Suspension, 1.073-1.115 range, rated for 250°C high temperature application and including a Live-line Attachment Point.

HIBUS Series – Conductor Suspension



STANDARD CONDUCTORS: ACSR, AAC, AAAC, ACAR

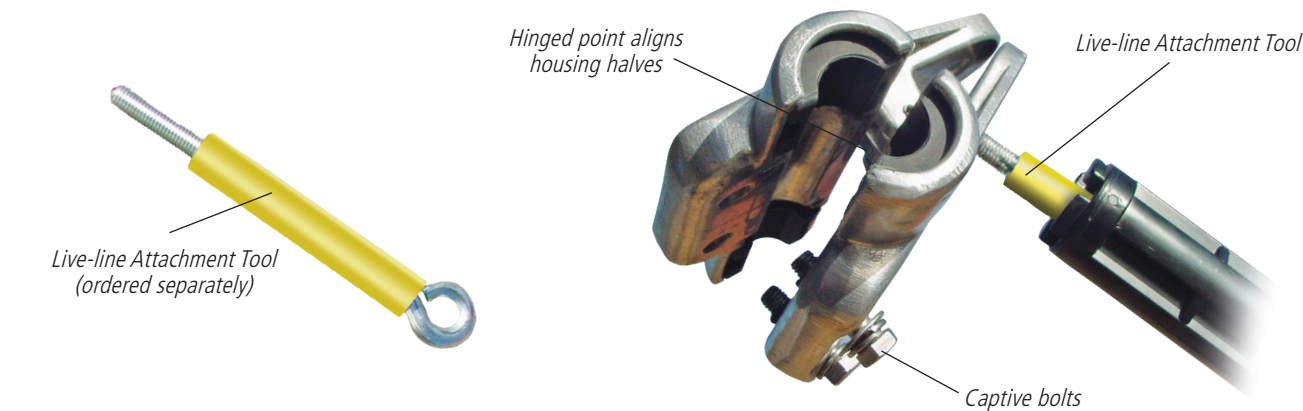
HIGH TEMPERATURE CONDUCTORS: ACSS, HS285

AFL NO.		RANGE (IN)		RANGE (MM)		LENGTH (L)	HEIGHT (H)	WIDTH (W)	CLEVIS WIDTH (S)	WEIGHT (LBS)	VERT. LOAD RATING (LBS)	PIN/BOLT SIZE
STANDARD	HIGH TEMP.	MIN	MAX	MIN	MAX							
HCS710	HCSHT710	0.710	0.755	18.0	19.2	9.5"	8.6"	2.6"	1.4"	7.5	25,000	.625" x 3.25"
HCS756	HCSHT756	0.756	0.799	19.2	20.3							
HCS800	HCSHT800	0.800	0.842	20.3	21.4							
HCS843	HCSHT843	0.843	0.883	21.4	22.4							
HCS880	HCSHT880	0.880	0.931	22.4	23.6							
HCS932	HCSHT932	0.932	0.980	23.7	24.9	9.5"	8.8"	2.9"	1.4"	7.8	25,000	.625" x 3.25"
HCS981	HCSHT981	0.981	1.027	24.9	26.1							
HCS1028	HCSHT1028	1.028	1.072	26.1	27.2							
HCS1073	HCSHT1073	1.073	1.115	27.3	28.3							
HCS1116	HCSHT1116	1.116	1.156	28.3	29.4							
HCS1157	HCSHT1157	1.157	1.196	29.4	30.4							
HCS1197	HCSHT1197	1.197	1.237	30.4	31.4							
HCS1238	HCSHT1238	1.238	1.294	31.4	32.9	10.0"	9.6"	3.3"	1.4"	8.1	25,000	.625" x 3.25"
HCS1295	HCSHT1295	1.295	1.349	32.9	34.3							
HCS1350	HCSHT1350	1.350	1.401	34.3	35.6							
HCS1402	HCSHT1402	1.402	1.451	35.6	36.9							
HCS1452	HCSHT1452	1.452	1.499	36.9	38.1							
HCS1500	HCSHT1500	1.500	1.545	38.1	39.2							
HCS1546	HCSHT1546	1.546	1.569	39.3	39.9							
HCS1570	HCSHT1570	1.570	1.639	39.9	41.6	10.9"	10.4"	3.8"	1.5"	9.7	30,000	.750" x 4.00"
HCS1640	HCSHT1640	1.640	1.707	41.7	43.4							
HCS1708	HCSHT1708	1.708	1.771	43.4	45.0							
HCS1772	HCSHT1772	1.772	1.833	45.0	46.6							
HCS1834	HCSHT1834	1.834	1.892	46.6	48.1							

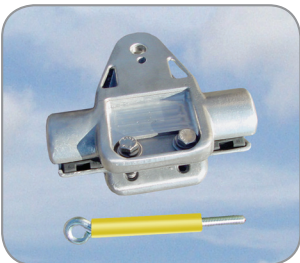
*Dimensions are approximate and will vary slightly according to conductor size.

HIBUS Series – Conductor Suspension

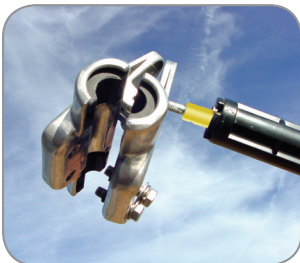
Live-line Attachment Tool



Installation Sequence for Live-line Attachment



1. HIBUS Suspension with the Live-line Attachment Tool ordered from AFL



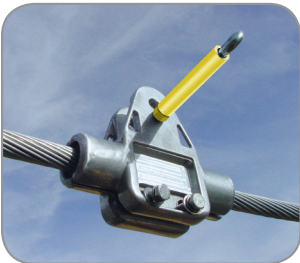
2. Secure the HIBUS Suspension to the "Hot Stick" using the Live-line Attachment Tool



3. With the HIBUS Suspension in the open position, locate the unit on the conductor



4. Once in position, rotate the "Hot Stick" (with Live-line Attachment Tool attached) in a clockwise direction until the HIBUS Suspension is fully closed



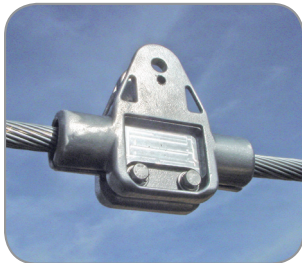
5. Remove the "Hot Stick" from the Live-line Attachment Tool



6. Attach a "Drive Socket" to the "Hot Stick" (normally included with standard hot stick kits)



7. Tighten the captive bolts on the HIBUS Suspension to the specified torque



8. Remove the Live-line Attachment Tool with the "Hot Stick" and attach the HIBUS Suspension to the insulator with the mounting pin provided

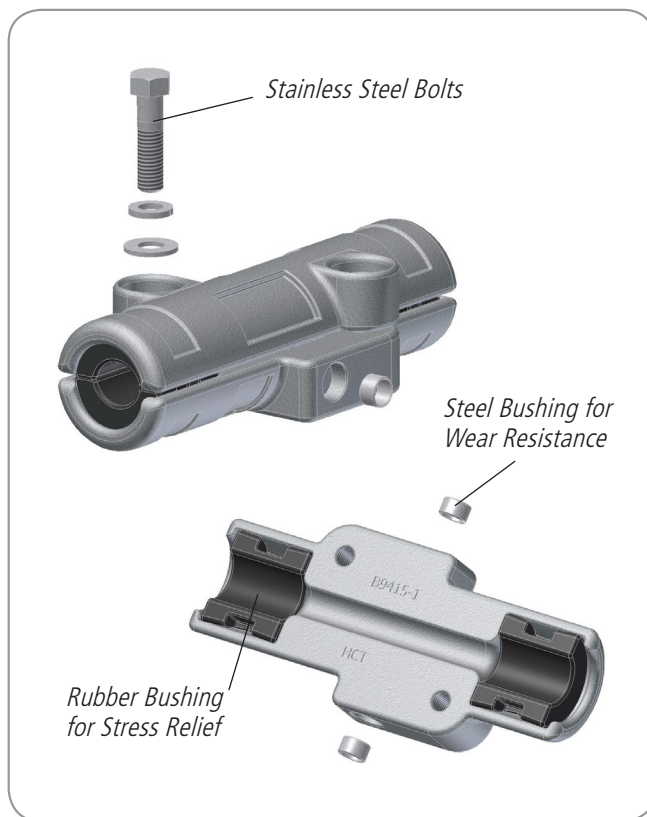
Ordering Information

DESCRIPTION	AFL NO.
Live-line Attachment Tool (order separately)	HIBUS-LLT

HIBUS Series – Conductor Trunnion



Trunnion Components



The HIBUS Series Conductor Trunnion is designed to reduce static and dynamic stress at the attachment point on transmission conductors without the use of armor rods or line guards. Rated for 250°C operation, the HIBUS Series Conductor Trunnion has a specially formulated bushing material for high temperature conductors.

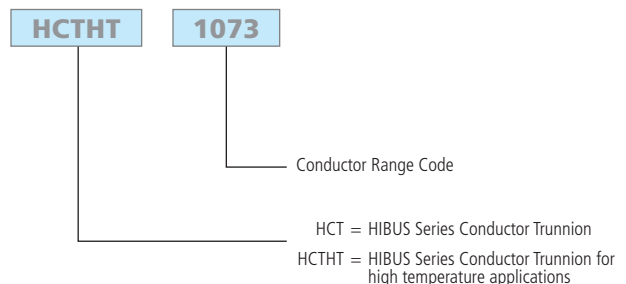
Test results have shown that the unique bushing system significantly reduces the bending strain level produced by the effects of Aeolian vibration as compared to standard clamps using armor rods or line guards. This proven level of performance eliminates the need for any type of attachment using rods. Test reports available include corona test, high temperature profile, standard and high temperature slip, ultimate strength, and catastrophic conductor failure impact strength.

The unit features captive hardware.

Features

- Suitable for all ACSR and ACSS conductors
- Stress relief bushings reduce bending strain 40%
- Aluminum body with secured captive stainless steel mounting bolts
- Wear resistant with steel bushing insert in mounting trunnion hole
- Line angles up to 30° for single unit, up to 60° for two units
- Rated for 500 kV applications
- Rated for 250°C high temperature applications (with special bushings)

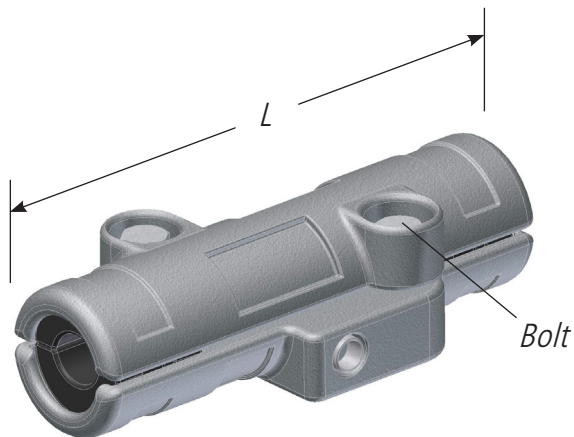
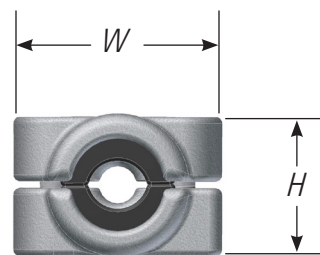
Ordering Information



ORDERING EXAMPLE: HCTHT1073

HIBUS Series Conductor Trunnion, 1.073-1.115 range, rated for 250°C high temperature application.

HIBUS Series – Conductor Trunnion

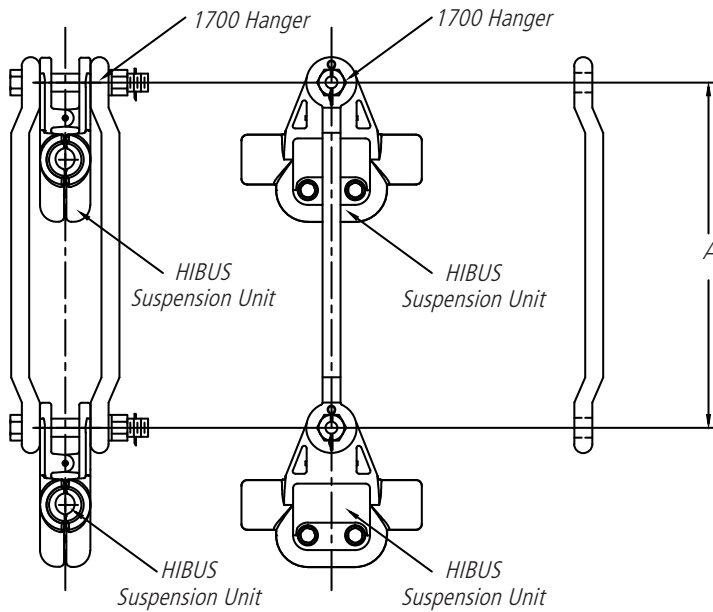


STANDARD CONDUCTORS: ACSR, AAC, AAAC, ACAR

HIGH TEMPERATURE CONDUCTORS: ACSS, HS285

AFL NO.		RANGE (IN)		RANGE (MM)		LENGTH (L)	HEIGHT (H)	WIDTH (W)	WEIGHT (LBS)	VERT. LOAD RATING (LBS)	BOLT SIZE
STANDARD	HIGH TEMP.	MIN	MAX	MIN	MAX						
HCT710	HCTHT710	0.710	0.755	19.2	19.2	9.5"	2.6"	3.8"	4.5	25,000	1/2" – 13 UNC
HCT756	HCTHT756	0.756	0.799	20.3	20.3						
HCT800	HCTHT800	0.800	0.842	21.4	21.4						
HCT843	HCTHT843	0.843	0.883	22.4	22.4						
HCT880	HCTHT880	0.880	0.931	23.6	23.6						
HCT932	HCTHT932	0.932	0.980	24.9	24.9						
HCT981	HCTHT981	0.981	1.027	26.1	26.1	9.5"	3.0"	3.8"	4.5	25,000	1/2" – 13 UNC
HCT1028	HCTHT1028	1.028	1.072	27.2	27.2						
HCT1073	HCTHT1073	1.073	1.115	28.3	28.3						
HCT1116	HCTHT1116	1.116	1.156	29.4	29.4						
HCT1157	HCTHT1157	1.157	1.196	30.4	30.4						
HCT1197	HCTHT1197	1.197	1.237	31.4	31.4						
HCT1238	HCTHT1238	1.238	1.294	32.9	32.9	10.0"	3.4"	3.8"	4.2	25,000	1/2" – 13 UNC
HCT1295	HCTHT1295	1.295	1.349	34.3	34.3						
HCT1350	HCTHT1350	1.350	1.401	35.6	35.6						
HCT1402	HCTHT1402	1.402	1.451	36.9	36.9						
HCT1452	HCTHT1452	1.452	1.499	38.1	38.1						
HCT1500	HCTHT1500	1.500	1.545	39.2	39.2						
HCT1546	HCTHT1546	1.546	1.569	39.9	39.9						
HCT1570	HCTHT1570	1.570	1.639	41.6	41.6						

HIBUS Series – Hanger Links



Available in both
Standard and High
Temperature.

Ordering information HIBUS Suspension Unit – Standard

AFL NO.	ITEMS PER ASSEMBLY		DIMENSIONS IN INCHES
STANDARD	1	2	A
HCS710-12HL	1700-E-12	HCS710	12.0
HCS710-18HL	1700-E-18	HCS710	18.0
HCS756-12HL	1700-E-12	HCS756	12.0
HCS756-18HL	1700-E-18	HCS756	18.0
HCS800-12HL	1700-E-12	HCS800	12.0
HCS800-18HL	1700-E-18	HCS800	18.0
HCS843-12HL	1700-E-12	HCS843	12.0
HCS843-18HL	1700-E-18	HCS843	18.0
HCS880-12HL	1700-E-12	HCS880	12.0
HCS880-18HL	1700-E-18	HCS880	18.0
HCS932-12HL	1700-E-12	HCS932	12.0
HCS932-18HL	1700-E-18	HCS932	18.0
HCS981-12HL	1700-E-12	HCS981	12.0
HCS981-18HL	1700-E-18	HCS981	18.0
HCS1028-12HL	1700-E-12	HCS1028	12.0
HCS1028-18HL	1700-E-18	HCS1028	18.0
HCS1073-12HL	1700-E-12	HCS1073	12.0
HCS1073-18HL	1700-E-18	HCS1073	18.0
HCS1116-12HL	1700-E-12	HCS1116	12.0
HCS1116-18HL	1700-E-18	HCS1116	18.0
HCS1157-12HL	1700-E-12	HCS1157	12.0
HCS1157-18HL	1700-E-18	HCS1157	18.0
HCS1197-12HL	1700-E-12	HCS1197	12.0
HCS1197-18HL	1700-E-18	HCS1197	18.0

AFL NO.	ITEMS PER ASSEMBLY		DIMENSIONS IN INCHES
STANDARD	1	2	A
HCS1238-12HL	1700-E-12	HCS1238	12.0
HCS1238-18HL	1700-E-18	HCS1238	18.0
HCS1295-12HL	1700-E-12	HCS1295	12.0
HCS1295-18HL	1700-E-18	HCS1295	18.0
HCS1350-12HL	1700-E-12	HCS1350	12.0
HCS1350-18HL	1700-E-18	HCS1350	18.0
HCS1402-12HL	1700-E-12	HCS1402	12.0
HCS1402-18HL	1700-E-18	HCS1402	18.0
HCS1452-12HL	1700-E-12	HCS1452	12.0
HCS1452-18HL	1700-E-18	HCS1452	18.0
HCS1500-12HL	1700-E-12	HCS1500	12.0
HCS1500-18HL	1700-E-18	HCS1500	18.0
HCS1546-12HL	1700-E-12	HCS1546	12.0
HCS1546-18HL	1700-E-18	HCS1546	18.0
HCS1570-12HL	1700-E-12	HCS1570	12.0
HCS1570-18HL	1700-E-18	HCS1570	18.0
HCS1640BNC-12HL	1700-E-12	HCS1640BNC	12.0
HCS1640BNC-18HL	1700-E-18	HCS1640BNC	18.0
HCS1708BNC-12HL	1700-E-12	HCS1708BNC	12.0
HCS1708BNC-18HL	1700-E-18	HCS1708BNC	18.0
HCS1772BNC-12HL	1700-E-12	HCS1772BNC	12.0
HCS1772BNC-18HL	1700-E-18	HCS1772BNC	18.0
HCS1834BNC-12HL	1700-E-12	HCS1834BNC	12.0
HCS1834BNC-18HL	1700-E-18	HCS1834BNC	18.0

HIBUS Series – Hanger Links

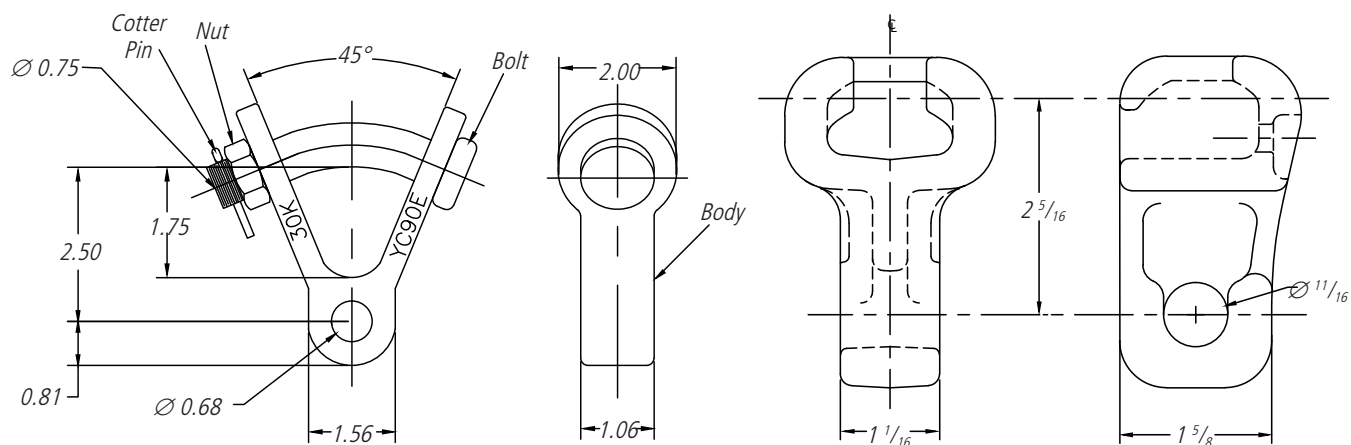
Ordering information

HIBUS Suspension Unit – High Temperature

AFL NO.	ITEMS PER ASSEMBLY		DIMENSIONS IN INCHES
HIGH TEMP.	1	2	A
HCSHT710-12HL	1700-E-12	HCSHT710	12.0
HCSHT710-18HL	1700-E-18	HCSHT710	18.0
HCSHT756-12HL	1700-E-12	HCSHT756	12.0
HCSHT756-18HL	1700-E-18	HCSHT756	18.0
HCSHT800-12HL	1700-E-12	HCSHT800	12.0
HCSHT800-18HL	1700-E-18	HCSHT800	18.0
HCSHT843-12HL	1700-E-12	HCSHT843	12.0
HCSHT843-18HL	1700-E-18	HCSHT843	18.0
HCSHT880-12HL	1700-E-12	HCSHT880	12.0
HCSHT880-18HL	1700-E-18	HCSHT880	18.0
HCSHT932-12HL	1700-E-12	HCSHT932	12.0
HCSHT932-18HL	1700-E-18	HCSHT932	18.0
HCSHT981-12HL	1700-E-12	HCSHT981	12.0
HCSHT981-18HL	1700-E-18	HCSHT981	18.0
HCSHT1028-12HL	1700-E-12	HCSHT1028	12.0
HCSHT1028-18HL	1700-E-18	HCSHT1028	18.0
HCSHT1073-12HL	1700-E-12	HCSHT1073	12.0
HCSHT1073-18HL	1700-E-18	HCSHT1073	18.0
HCSHT1116-12HL	1700-E-12	HCSHT1116	12.0
HCSHT1116-18HL	1700-E-18	HCSHT1116	18.0
HCSHT1157-12HL	1700-E-12	HCSHT1157	12.0
HCSHT1157-18HL	1700-E-18	HCSHT1157	18.0
HCSHT1197-12HL	1700-E-12	HCSHT1197	12.0
HCSHT1197-18HL	1700-E-18	HCSHT1197	18.0

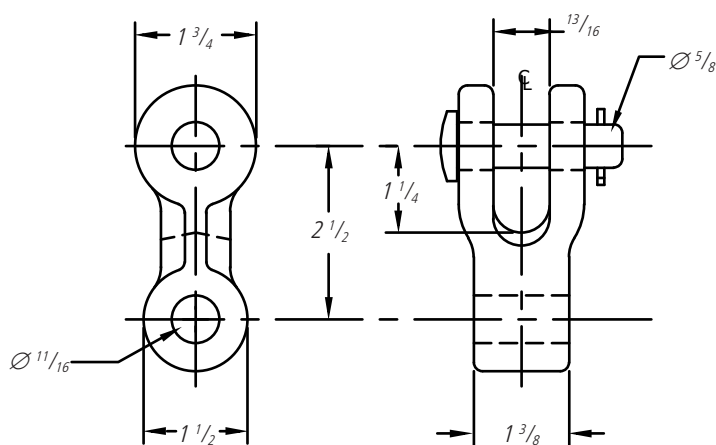
AFL NO.	ITEMS PER ASSEMBLY		DIMENSIONS IN INCHES
HIGH TEMP.	1	2	A
HCSHT1238-12HL	1700-E-12	HCSHT1238	12.0
HCSHT1238-18HL	1700-E-18	HCSHT1238	18.0
HCSHT1295-12HL	1700-E-12	HCSHT1295	12.0
HCSHT1295-18HL	1700-E-18	HCSHT1295	18.0
HCSHT1350-12HL	1700-E-12	HCSHT1350	12.0
HCSHT1350-18HL	1700-E-18	HCSHT1350	18.0
HCSHT1402-12HL	1700-E-12	HCSHT1402	12.0
HCSHT1402-18HL	1700-E-18	HCSHT1402	18.0
HCSHT1452-12HL	1700-E-12	HCSHT1452	12.0
HCSHT1452-18HL	1700-E-18	HCSHT1452	18.0
HCSHT1500-12HL	1700-E-12	HCSHT1500	12.0
HCSHT1500-18HL	1700-E-18	HCSHT1500	18.0
HCSHT1546-12HL	1700-E-12	HCSHT1546	12.0
HCSHT1546-18HL	1700-E-18	HCSHT1546	18.0
HCSHT1570-12HL	1700-E-12	HCSHT1570	12.0
HCSHT1570-18HL	1700-E-18	HCSHT1570	18.0
HCSHT1640BNC-12HL	1700-E-12	HCSHT1640BNC	12.0
HCSHT1640BNC-18HL	1700-E-18	HCSHT1640BNC	18.0
HCSHT1708BNC-12HL	1700-E-12	HCSHT1708BNC	12.0
HCSHT1708BNC-18HL	1700-E-18	HCSHT1708BNC	18.0
HCSHT1772BNC-12HL	1700-E-12	HCSHT1772BNC	12.0
HCSHT1772BNC-18HL	1700-E-18	HCSHT1772BNC	18.0
HCSHT1834BNC-12HL	1700-F-12	HCSHT1834BNC	12.0
HCSHT1834BNC-18HL	1700-E-18	HCSHT1834BNC	18.0

HIBUS Series Hardware



**Y-Clevis Eye 90°
"YC90E" Suffix**

**Socket Eye
"SE" Suffix**



**Clevis Eye
"SCE" Suffix**

Ordering Information

AFL NO.	HARDWARE TYPE	ULTIMATE STRENGTH (LBS.)	APPROX. WEIGHT EACH (LBS.)	MATERIAL
YC90E-688-1062	Y-Clevis Eye 90°	30,000	2.7	Body – Ductile Iron Bolt, Nut – Forged Steel Cotter Pin – Stainless Steel
SI-1062	Socket Eye	30,000	1.17	Hot Dip Galvanized Ductile Iron
SCE-55-1375	Clevis Eye	30,000	1.58	Hot Dip Galvanized Ductile Iron

Formed Wire Suspension Unit

AFL is a renowned manufacturer of aluminum conductor accessories, manufacturing numerous products for the electric utility industry since the 1890s. A leader in its markets, AFL offers superior research, development and field experience resulting in experienced professionals who bring a depth of engineering, production and training to our customers. With the broadest product offering in the industry, AFL designs and manufactures a wide variety of compression accessories for all conductor types, bolted and welded substation products, as well as fiber optic hardware. In addition, AFL provides bronze substation products, Alumoweld® and Copperweld® wire and compression tools. Given our history and interest in bringing our customers the most advanced products in the industry, AFL's GSA series suspension unit is designed to supplement protection of the conductor at the point of transmission and distribution. Bringing you performance, reliability and knowledge from a company you've trusted for years, AFL is the solution for your entire transmission, distribution, substation and fiber optic accessory needs.

The GSA Series suspension unit is designed to reduce the static and dynamic stress at the support point of transmission and distribution lines. This allows the conductor to better withstand the effects of Aeolian vibration and wind-induced oscillation. The GSA unit also helps protect the conductor against flashover in the support area. It is designed for use with ACSR, AAC, AAAC, ACAR conductors and all high temperature conductors including ACCR, ACSS and ACCC.

Although the GSA unit provides improved vibration protection, dampers are still required to dissipate the damaging effects from Aeolian vibration. For more information about Aeolian vibration and vibration analysis, visit www.Vibrec.com.



Features

Line Angles

Use the single GSA unit for line angles up to 30 degrees; for 30 to 60 degrees, use the double suspension unit.

High-Voltage Applications

The rods can be tapered for Extra High Voltage (EHV) applications, 345 kV and above. Specify this requirement by adding a suffix "EHV" to the end of the part number (see ordering matrix below).

Elevated Temperature

The GSA unit is rated for 200°C continuous temperature applications. The GSA high temperature (HT) unit is rated for 250°C continuous temperature applications. Contact AFL if a high temperature unit with two layers of rod sets are required.

Technical Support

For more information about the GSA unit, placement or technical questions, contact the AFL Technical Support team at 1.800.866.7385.

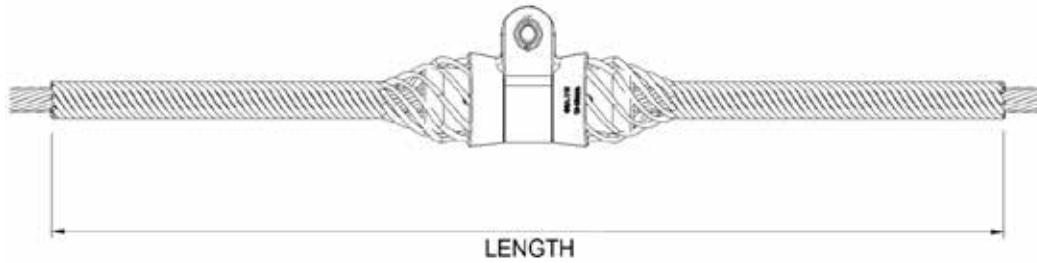


Ordering Information

Basic unit	Configuration	Numeric Range	Temperature Range	Voltage Range
GSA	(Blank)	XXX	HT	EHV
Formed Armor Wire Suspension	Blank = Single D = Double	From tables on following pages	Blank = $\leq 200^{\circ}\text{C}$ HT = High Temperature Application	Blank = $< 345\text{ kV}$ EHV = $\geq 345\text{ kV}$

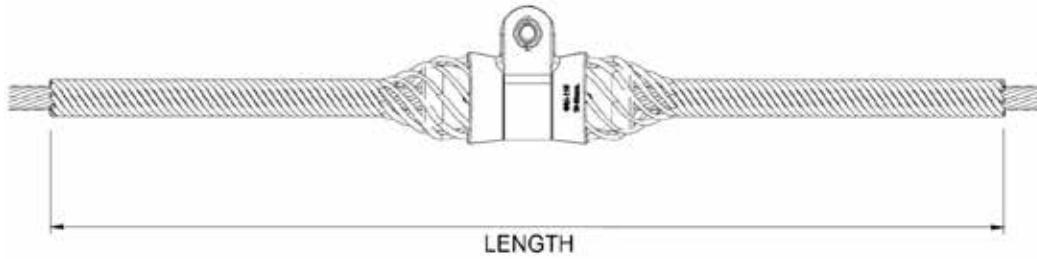
Example: For a single suspension with Aluminum Rods, conductor diameter of 1.091 to 1.118, High Temperature and Extra High Voltage, the complete catalog number is: GSA145-284HTEHV.

Formed Wire Suspension Clamp



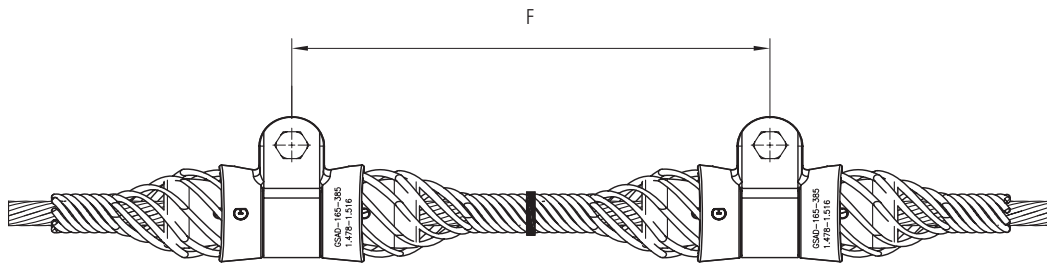
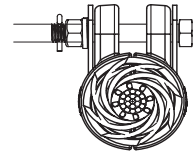
FORMED WIRE SUSPENSION	DIAMETER RANGE (IN)		RODS			COLOR CODE
	MIN.	MAX.	LENGTH (IN)	ROD DIA (IN)	RODS/SET	
GSA60-800	0.304	0.315	26	0.102	10	BROWN
GSA60-831	0.316	0.327	26	0.102	11	ORANGE
GSA60-869	0.328	0.342	26	0.102	11	PURPLE
GSA60-902	0.343	0.355	26	0.102	11	RED
GSA60-950	0.356	0.374	26	0.102	12	BLUE
GSA60-988	0.375	0.389	26	0.102	12	GREEN
GSA65-1026	0.390	0.404	36	0.128	11	YELLOW
GSA65-1062	0.405	0.418	36	0.128	11	BLACK
GSA65-1102	0.419	0.434	36	0.128	11	WHITE
GSA65-1143	0.435	0.450	36	0.128	11	BROWN
GSA65-1194	0.451	0.470	36	0.128	12	ORANGE
GSA65-1222	0.471	0.481	36	0.128	12	PURPLE
GSA80-1267	0.482	0.499	40	0.167	10	RED
GSA80-1300	0.500	0.512	40	0.167	10	BLUE
GSA80-1346	0.513	0.530	41	0.167	11	GREEN
GSA80-1377	0.531	0.542	41	0.167	11	YELLOW
GSA90-1410	0.543	0.555	44	1.820	10	BLACK
GSA90-1455	0.556	0.573	44	1.820	11	WHITE
GSA90-1509	0.574	0.594	45	1.820	11	BROWN
GSA90-1539	0.595	0.606	46	1.820	11	ORANGE
GSA90-1572	0.607	0.619	46	1.820	11	PURPLE
GSA90-1638	0.620	0.645	50	1.820	12	RED
GSA98-1709	0.646	0.673	54	0.204	11	BLUE
GSA98-1753	0.674	0.690	54	0.204	11	GREEN
GSA98-1803	0.691	0.710	54	0.204	12	YELLOW
GSA98-1857	0.711	0.731	55	0.204	12	BLACK
GSA98-1905	0.732	0.750	56	0.204	12	WHITE
GSA115-195	0.751	0.768	60	0.250	10	BROWN
GSA115-201	0.769	0.795	60	0.250	11	ORANGE
GSA115-209	0.796	0.824	61	0.250	11	PURPLE
GSA115-514	0.825	0.845	64	0.250	11	RED
GSA115-221	0.846	0.870	64	0.250	12	BLUE
GSA115-226	0.871	0.893	65	0.250	12	GREEN
GSA115-230	0.894	0.907	65	0.250	12	GREEN

Formed Wire Suspension Clamp



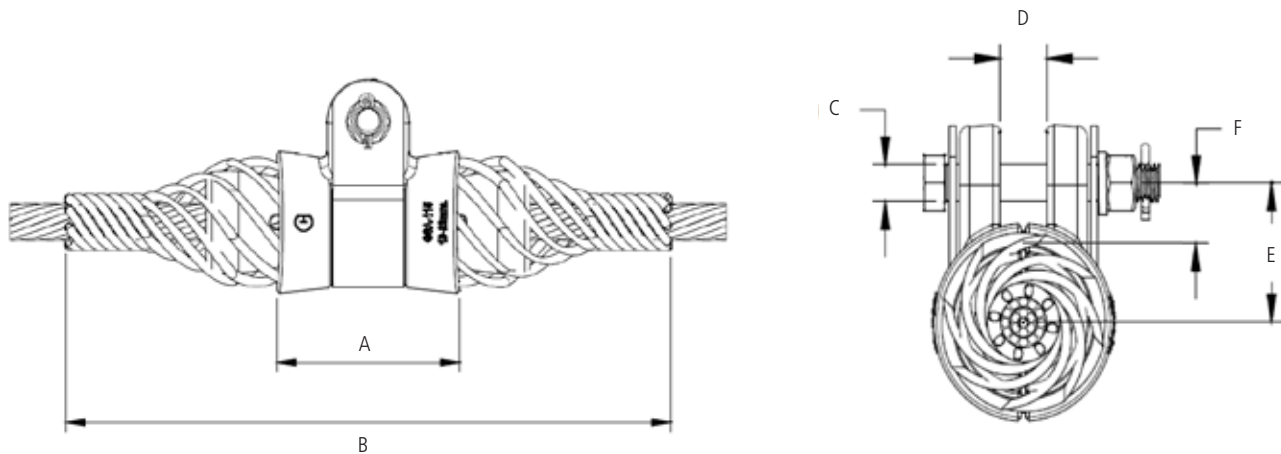
FORMED WIRE SUSPENSION	DIAMETER RANGE (IN)		RODS			COLOR CODE
	MIN.	MAX.	LENGTH (IN)	ROD DIA (IN)	RODS/SET	
GSA127-233	0.908	0.920	66	0.250	12	YELLOW
GSA127-238	0.921	0.937	66	0.250	12	BLACK
GSA127-244	0.938	0.962	67	0.250	12	WHITE
GSA127-250	0.963	0.986	68	0.250	13	BROWN
GSA127-255	0.987	1.005	69	0.250	13	ORANGE
GSA145-259	1.006	1.022	80	0.310	11	PURPLE
GSA145-264	1.023	1.040	82	0.310	11	RED
GSA145-272	1.041	1.074	82	0.310	11	BLUE
GSA145-276	1.075	1.090	82	0.310	12	GREEN
GSA145-284	1.091	1.118	82	0.310	12	YELLOW
GSA145-288	1.119	1.136	82	0.310	12	BLACK
GSA145-292	1.137	1.152	82	0.310	12	WHITE
GSA145-298	1.153	1.175	82	0.310	12	BROWN
GSA145-306	1.176	1.208	82	0.310	12	ORANGE
GSA155-311	1.209	1.226	88	0.365	11	PURPLE
GSA155-319	1.227	1.259	88	0.365	11	RED
GSA155-326	1.260	1.286	88	0.365	12	BLUE
GSA155-333	1.287	1.314	88	0.365	12	GREEN
GSA155-344	1.315	1.355	88	0.365	12	YELLOW
GSA165-354	1.356	1.394	88	0.365	12	BLACK
GSA165-359	1.395	1.416	88	0.365	13	WHITE
GSA165-366	1.417	1.442	88	0.365	13	BROWN
GSA165-375	1.443	1.477	88	0.365	13	ORANGE
GSA165-385	1.478	1.516	88	0.365	13	PURPLE
GSA165-395	1.517	1.557	88	0.365	13	RED
GSA180-401	1.558	1.579	10	0.365	14	BLUE
GSA180-409	1.580	1.612	10	0.365	14	GREEN
GSA180-419	1.613	1.650	10	0.365	14	YELLOW
GSA180-428	1.651	1.688	10	0.365	15	BLACK
GSA180-434	1.689	1.711	10	0.365	15	WHITE
GSA180-445	1.712	1.752	10	0.365	15	BROWN
GSA180-454	1.753	1.790	10	0.365	15	ORANGE
GSA180-464	1.791	1.828	10	0.365	15	PURPLE
GSA180-478	1.829	1.882	10	0.365	16	RED
GSA190-567	2.193	2.233	10	0.365	18	RED

Formed Wire Suspension – Double



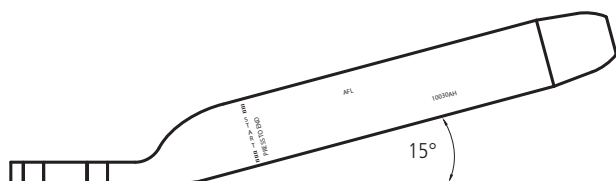
AFL NO.	DIAMETER RANGE (IN)	LENGTH, (F)
GSAD60	0.304-0.389	12"
GSAD65	0.390-0.481	12"
GSAD80	0.482-0.542	12"
GSAD90	0.543-0.645	12"
GSAD98	0.646-0.750	18"
GSAD115	0.751-0.907	18"
GSAD127	0.908-1.005	22"
GSAD145	1.006-1.208	26"
GSAD155	1.209-1.355	29"
GSAD165	1.356-1.557	32"
GSAD180	1.558-1.882	37"
GSAD190	1.883-2.233	42"

Formed Wire Suspension – Dimensional Detail



AFL NO.	DIAMETER RANGE (IN)	DIMENSIONS						
		A	B	C	D	E	F	VERTICAL STRENGTH (LBS)
GSA60	0.304-0.389	2.362	See Catalog for Rod Lengths	5/8	0.687	2.110	1.161	15,000
GSA65	0.390-0.481	2.559		5/8	0.687	2.110	1.102	15,000
GSA80	0.482-0.542	3.149		5/8	0.656	2.150	1.024	10,000
GSA90	0.543-0.645	3.543		5/8	0.718	2.249	1.024	10,000
GSA98	0.646-0.750	3.858		5/8	0.750	2.317	1.024	15,000
GSA115	0.751-0.907	4.527		5/8	0.875	2.375	1.207	20,000
GSA127	0.908-1.005	5.000		5/8	0.875	2.677	1.024	20,000
GSA145	1.006-1.208	5.708		5/8	1.187	2.933	1.024	25,000
GSA155	1.209-1.355	6.102		3/4	1.250	3.362	1.260	25,000
GSA165	1.356-1.557	6.496		3/4	1.375	3.519	1.142	25,000
GSA180	1.558-1.882	7.086		3/4	2.250	3.811	1.142	25,000
GSA190	1.883-2.233	7.480		3/4	2.409	4.047	1.181	30,000

15° and Straight Terminals for ACCC



Catalog Number Configuration for 15° and Straight Terminals

B11403 - **AFL Code** - **EHV** - **ACCC**

Blank = voltage <345 kV
EHV = voltage ≥345 kV

Notes

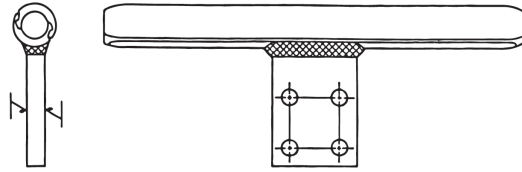
1. For 345 kV and above, add suffix "EHV" to AFL No.
For example, B11403-AZEHV-ACCC.
2. For more information, contact AFL at 1.800.866.7385.
3. Additional angles available upon request.

AFL NO.		ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
TERMINAL 15°	STRAIGHT TERMINAL													
		SIZE	(KCMIL)	(MM ²)	(IN)	(MM)	(IN)	(MM)	(LB/KFT)	(KG/KM)	(LBF)	(KN)	(LBF)	(KN)
B11403-K-ACCC	B11938-K-ACCC	HELSINKI	297	150.6	0.616	15.65	0.235	5.97	317	471	13,600	60.4	15,500	68.9
B11403-G-ACCC	B11938-G-ACCC	JAIPUR	309	156.7	0.650	16.50	0.305	7.75	349	519	22,900	101.7	24,900	110.8
B11403-BB-ACCC	B11938-BB-ACCC	ZADAR	356	180.3	0.673	17.09	0.280	7.11	386	574	19,300	85.7	21,600	96.1
B11403-BC-ACCC	B11938-BC-ACCC	ROVINJ	378	191.6	0.673	17.10	0.235	5.97	392	583	13,600	60.4	16,000	71.2
B11403-L-ACCC	B11938-L-ACCC	COPENHAGEN	434	219.9	0.720	18.29	0.235	5.97	444	661	13,600	60.4	16,400	72.8
B11403-M-ACCC	B11938-M-ACCC	REYKJAVIK	440	223.1	0.741	18.82	0.280	7.11	466	694	19,300	85.7	22,100	98.3
B11403-BD-ACCC	B11938-BD-ACCC	GDANSK	491	248.7	0.756	19.20	0.235	5.97	499	743	13,600	60.4	16,700	74.3
B11403-N-ACCC	B11938-N-ACCC	GLASGOW	467	236.7	0.769	19.53	0.305	7.75	492	732	22,900	101.7	25,900	115.0
B11403-P-ACCC	B11938-P-ACCC	CASABLANCA	540	273.6	0.807	20.50	0.280	7.11	561	834	19,300	85.7	22,700	101.1
B11403-R-ACCC	B11938-R-ACCC	MONTE CARLO	451	228.5	0.818	20.78	0.415	10.54	537	799	42,300	188.3	45,200	201.2
B11403-S-ACCC	B11938-S-ACCC	ULS MONTE CARLO	451	228.5	0.819	20.79	0.415	10.54	537	799	50,700	225.6	53,600	238.6
B11403-B-ACCC	B11938-B-ACCC	LISBON	623	315.5	0.858	21.79	0.280	7.11	637	948	19,300	85.7	23,300	103.5
B11403-F-ACCC	B11938-F-ACCC	OSLO	619	313.8	0.882	22.40	0.345	8.76	659	981	29,300	130.2	33,200	147.8
B11403-T-ACCC	B11938-T-ACCC	AMSTERDAM	725	367.4	0.927	23.55	0.305	7.75	740	1101	22,900	101.7	27,500	122.4
B11403-X-ACCC	B11938-X-ACCC	ULS 25mm	753	381.8	0.984	25.00	0.415	10.54	817	1216	50,700	225.6	55,600	247.2
B11403-W-ACCC	B11938-W-ACCC	BRUSSELS	832	421.4	0.990	25.15	0.320	8.13	850	1265	25,200	112.0	30,500	135.7
B11403-Y-ACCC	B11938-Y-ACCC	ULS LEIPZIG	802	406.4	0.990	25.15	0.375	9.53	842	1253	41,300	183.5	46,600	207.3
B11403-BE-ACCC	B11938-BE-ACCC	STOCKHOLM 2L	914	463.3	1.039	26.39	0.345	8.76	937	1395	29,300	130.2	35,100	156.2
B11403-BE-ACCC	B11938-BE-ACCC	STOCKHOLM 3L	895	453.7	1.039	26.39	0.345	8.76	919	1368	29,300	130.2	35,000	155.7
B11403-Z-ACCC	B11938-Z-ACCC	WARSAW	1002	507.5	1.091	27.71	0.345	8.76	1021	1520	29,300	130.2	35,700	158.7
B11403-A-ACCC	B11938-A-ACCC	DUBLIN	1035	524.5	1.108	28.14	0.375	9.53	1064	1583	34,600	153.8	41,200	183.3
B11403-AB-ACCC	B11938-AB-ACCC	HAMBURG	1078	546.4	1.127	28.63	0.345	8.76	1093	1627	29,300	130.2	36,200	160.9
B11403-AC-ACCC	B11938-AC-ACCC	KOLKATA	1073	543.5	1.127	28.63	0.375	9.53	1104	1643	34,600	153.8	41,400	184.0
B11403-AD-ACCC	B11938-AD-ACCC	ULS MAHAKAM	1075	544.9	1.142	29.01	0.415	10.54	1127	1677	50,700	225.6	57,600	256.3
B11403-AE-ACCC	B11938-AE-ACCC	MILAN	1120	567.7	1.146	29.11	0.345	8.76	1133	1686	29,300	130.2	36,400	162.1
B11403-AF-ACCC	B11938-AF-ACCC	ROME	1169	592.5	1.177	29.90	0.375	9.53	1192	1774	34,600	153.8	42,100	187.1
B11403-AG-ACCC	B11938-AG-ACCC	VIENNA	1242	629.2	1.198	30.43	0.345	8.76	1245	1853	29,300	130.2	37,200	165.5
B11403-AH-ACCC	B11938-AH-ACCC	BUDAPEST	1319	668.3	1.240	31.50	0.375	9.53	1333	1984	34,600	153.8	43,000	191.4
B11403-AK-ACCC	B11938-AK-ACCC	PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	29,300	130.2	38,000	169.0
B11403-AL-ACCC	B11938-AL-ACCC	ULS PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	34,900	155.1	43,800	194.8
B11403-AM-ACCC	B11938-AM-ACCC	MUMBAI	1353	685.4	1.251	31.78	0.375	9.53	1367	2035	34,600	153.8	43,200	192.0
B11403-H-ACCC	B11938-H-ACCC	MUNICH	1447	733.1	1.293	32.84	0.375	9.53	1458	2170	34,600	153.8	43,800	195.0
B11403-AN-ACCC	B11938-AN-ACCC	LONDON	1498	759.0	1.315	33.40	0.385	9.78	1511	2248	36,400	162.1	46,000	204.8

15° and Straight Terminals for ACCC (cont.)

AFL NO.		ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
TERMINAL 15°	STRAIGHT TERMINAL													
		SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/KFT)	(KG/KM)	(LBF)	(KN)	(LBF)	(KN)
B11403-AP-ACCC	B11938-AP-ACCC	PARIS	1606	813.7	1.345	34.16	0.345	8.76	1590	2366	29,300	130.2	39,600	175.9
B11403-AW-ACCC	B11938-AW-ACCC	BORDEAUX	1738	880.8	1.408	35.76	0.415	10.54	1859	2766	42,300	188.3	53,500	237.9
B11403-AS-ACCC	B11938-AS-ACCC	ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	36,400	162.1	48,400	215.2
B11403-AT-ACCC	B11938-AT-ACCC	ULS ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	43,500	193.5	55,600	247.3
B11403-E-ACCC	B11938-E-ACCC	BERLIN (MADRID-ICE)	1986	1006.5	1.504	38.20	0.415	10.54	1982	2949	42,300	188.3	55,100	245.0
B11403-AX-ACCC	B11938-AX-ACCC	MADRID	1999	1013.0	1.504	38.20	0.385	9.78	1981	2948	36,400	162.1	49,200	219.1
B11403-AZ-ACCC	B11938-AZ-ACCC	ATHENS	2782	1409.6	1.762	44.75	0.415	10.54	2732	4066	42,300	188.3	60,200	267.6

Bolted Tee Tap for ACCC



Catalog Number Configuration for Bolted Tee Taps

D11567 - **AFL Code** **EHV** - **ACCC**

Blank = voltage <345 kV
EHV = voltage ≥345 kV

Notes

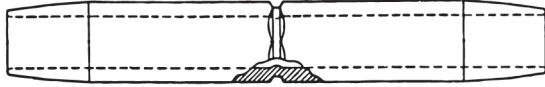
- For 345 kV and above, add suffix "EHV" to AFL No.
For example: D11567-LEHV-ACCC
- For more information, contact AFL at 1.800.866.7385.

AFL NO. BOLTED TEE TAP	ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
	SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/ KFT)	(KG/ KM)	(LBF)	(KN)	(LBF)	(KN)
D11567-K-ACCC	PASADENA	305	154.4	0.616	15.65	0.235	5.97	321	478	13,600	60.4	15,500	68.9
D11567-K-ACCC	HELSINKI	297	150.6	0.616	15.65	0.235	5.97	317	471	13,600	60.4	15,500	68.9
D11567-G-ACCC	JAIPUR	309	156.7	0.650	16.50	0.305	7.75	349	519	22,900	101.7	24,900	110.8
D11567-BB-ACCC	ZADAR	356	180.3	0.673	17.09	0.280	7.11	386	574	19,300	85.7	21,600	96.1
D11567-BC-ACCC	ROVINJ	378	191.6	0.673	17.10	0.235	5.97	392	583	13,600	60.4	16,000	71.2
D11567-BC-ACCC	OSTRICH (OCEANSIDE)	383	194.2	0.680	17.27	0.235	5.97	396	589	13,600	60.4	16,000	71.2
D11567-L-ACCC	LINNET (LA JOLLA)	430	218.1	0.720	18.29	0.235	5.97	440	655	13,600	60.4	16,300	72.5
D11567-L-ACCC	COPENHAGEN	434	219.9	0.720	18.29	0.235	5.97	444	661	13,600	60.4	16,400	72.8
D11567-M-ACCC	ORIOLE (OXNARD)	439	222.3	0.741	18.82	0.280	7.11	463	689	19,300	85.7	22,100	98.3
D11567-M-ACCC	REYKJAVIK	440	223.1	0.741	18.82	0.280	7.11	466	694	19,300	85.7	22,100	98.3
D11567-BD-ACCC	GDANSK	491	248.7	0.756	19.20	0.235	5.97	499	743	13,600	60.4	16,700	74.3
D11567-N-ACCC	GLASGOW	467	236.7	0.769	19.53	0.305	7.75	492	732	22,900	101.7	25,900	115.0
D11567-N-ACCC	WACO	454	230.1	0.770	19.56	0.305	7.75	485	721	22,900	101.7	25,800	114.8
D11567-P-ACCC	LAREDO	530	268.4	0.807	20.50	0.280	7.11	548	816	19,300	85.7	22,700	101.0
D11567-P-ACCC	CASABLANCA	540	273.6	0.807	20.50	0.280	7.11	561	834	19,300	85.7	22,700	101.1
D11567-R-ACCC	MONTE CARLO	451	228.5	0.818	20.78	0.415	10.54	537	799	42,300	188.3	45,200	201.2
D11567-S-ACCC	ULS MONTE CARLO	451	228.5	0.819	20.79	0.415	10.54	537	799	50,700	225.6	53,600	238.6
D11567-B-ACCC	HAWK (HERMOSA/LISBOON)	611	309.7	0.858	21.79	0.280	7.11	625	930	19,300	85.7	23,200	103.2
D11567-B-ACCC	LISBON	623	315.5	0.858	21.79	0.280	7.11	637	948	19,300	85.7	23,300	103.5
D11567-F-ACCC	IRVING	609	308.8	0.882	22.40	0.345	8.76	649	965	29,300	130.2	33,200	147.7
D11567-F-ACCC	OSLO	619	313.8	0.882	22.40	0.345	8.76	659	981	29,300	130.2	33,200	147.8
D11567-T-ACCC	DOVE (DOHNEY)	714	361.5	0.927	23.55	0.305	7.75	728	1083	22,900	101.7	27,500	122.3
D11567-T-ACCC	AMSTERDAM	725	367.4	0.927	23.55	0.305	7.75	740	1101	22,900	101.7	27,500	122.4
D11567-X-ACCC	ULS 25mm	753	381.8	0.984	25.00	0.415	10.54	817	1216	50,700	225.6	55,600	247.2
D11567-W-ACCC	GROSBEAK (GOLETA)	821	416.2	0.990	25.15	0.320	8.13	837	1245	25,200	112.0	30,400	135.2
D11567-W-ACCC	BRUSSELS	832	421.4	0.990	25.15	0.320	8.13	850	1265	25,200	112.0	30,500	135.7
D11567-Y-ACCC	ULS LEIPZIG	802	406.4	0.990	25.15	0.375	9.53	842	1253	41,300	183.5	46,600	207.3
D11567-BE-ACCC	STOCKHOLM 2L	914	463.3	1.039	26.39	0.345	8.76	937	1395	29,300	130.2	35,100	156.2
D11567-BE-ACCC	STOCKHOLM 3L	895	453.7	1.039	26.39	0.345	8.76	919	1368	29,300	130.2	35,000	155.7
D11567-BF-ACCC	LUBBOCK	904	458.0	1.040	26.42	0.345	8.76	924	1376	29,300	130.2	35,100	156.1
D11567-Z-ACCC	GALVESTON	1011	512.4	1.090	27.69	0.345	8.76	1025	1526	29,300	130.2	35,700	158.8
D11567-Z-ACCC	WARSAW	1002	507.5	1.091	27.71	0.345	8.76	1021	1520	29,300	130.2	35,700	158.7
D11567-A-ACCC	DRAKE (DEL MAR)	1026	519.7	1.108	28.14	0.375	9.53	1052	1565	34,600	153.8	41,200	183.3
D11567-A-ACCC	DUBLIN	1035	524.5	1.108	28.14	0.375	9.53	1064	1583	34,600	153.8	41,200	183.3
D11567-AB-ACCC	PLANO	1059	536.8	1.127	28.63	0.345	8.76	1073	1597	29,300	130.2	36,000	160.1
D11567-AB-ACCC	HAMBURG	1078	546.4	1.127	28.63	0.345	8.76	1093	1627	29,300	130.2	36,200	160.9
D11567-AC-ACCC	KOLKATA	1073	543.5	1.127	28.63	0.375	9.53	1104	1643	34,600	153.8	41,400	184.0
D11567-AA-ACCC	CURLEW (CRESCENT)	1033	523.4	1.140	28.96	0.415	10.54	1082	1610	42,300	188.3	49,000	218.0

Bolted Tee Taps for ACCC (cont.)

AFL NO.	ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
BOLTED TEE TAP		SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/KFT)	(KG/KM)	(LBF)	(KN)	(LBF)
D11567-AD-ACCC	ULS MAHAKAM	1075	544.9	1.142	29.01	0.415	10.54	1127	1677	50,700	225.6	57,600	256.3
D11567-AE-ACCC	CORPUS CHRISTI	1103	558.9	1.146	29.11	0.345	8.76	1113	1657	29,300	130.2	36,300	161.5
D11567-AE-ACCC	MILAN	1120	567.7	1.146	29.11	0.345	8.76	1133	1686	29,300	130.2	36,400	162.1
D11567-AF-ACCC	ARLINGTON	1151	583.2	1.177	29.90	0.375	9.53	1173	1745	34,600	153.8	41,900	186.4
D11567-AF-ACCC	ROME	1169	592.5	1.177	29.90	0.375	9.53	1192	1774	34,600	153.8	42,100	187.1
D11567-AG-ACCC	CARDINAL (CARLSBAD)	1222	619.1	1.198	30.43	0.345	8.76	1225	1823	29,300	130.2	37,100	165.0
D11567-AG-ACCC	VIENNA	1242	629.2	1.198	30.43	0.345	8.76	1245	1853	29,300	130.2	37,200	165.5
D11567-AH-ACCC	FORT WORTH	1300	658.9	1.240	31.50	0.375	9.53	1312	1952	34,600	153.8	42,900	190.8
D11567-AH-ACCC	BUDAPEST	1319	668.3	1.240	31.50	0.375	9.53	1333	1984	34,600	153.8	43,000	191.4
D11567-AK-ACCC	PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	29,300	130.2	38,000	169.0
D11567-AL-ACCC	ULS PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	34,900	155.1	43,800	194.8
D11567-AM-ACCC	MUMBAI	1353	685.4	1.251	31.78	0.375	9.53	1367	2035	34,600	153.8	43,200	192.0
D11567-AK-ACCC	EL PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	29,300	130.2	37,900	168.6
D11567-AL-ACCC	ULS EL PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	34,900	155.1	43,500	193.5
D11567-H-ACCC	MUNICH	1447	733.1	1.293	32.84	0.375	9.53	1458	2170	34,600	153.8	43,800	195.0
D11567-H-ACCC	BEAUMONT	1429	723.9	1.294	32.87	0.375	9.53	1436	2136	34,600	153.8	43,700	194.4
D11567-AN-ACCC	SAN ANTONIO	1475	747.3	1.315	33.40	0.385	9.78	1486	2212	36,400	162.1	45,900	204.2
D11567-AN-ACCC	LONDON	1498	759.0	1.315	33.40	0.385	9.78	1511	2248	36,400	162.1	46,000	204.8
D11567-AP-ACCC	BITTERN (BALBOA)	1582	801.4	1.345	34.16	0.345	8.76	1566	2331	29,300	130.2	39,400	175.3
D11567-AR-ACCC	ULS BITTERN (BALBOA)	1582	801.4	1.345	34.16	0.345	8.76	1566	2331	34,900	155.1	45,000	200.2
D11567-AP-ACCC	PARIS	1606	813.7	1.345	34.16	0.345	8.76	1590	2366	29,300	130.2	39,600	175.9
D11567-AW-ACCC	BORDEAUX	1738	880.8	1.408	35.76	0.415	10.54	1859	2766	42,300	188.3	53,500	237.9
D11567-AS-ACCC	ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	36,400	162.1	48,400	215.2
D11567-AT-ACCC	ULS ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	43,500	193.5	55,600	247.3
D11567-AS-ACCC	DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	36,400	162.1	47,900	213.1
D11567-AT-ACCC	ULS DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	43,500	193.5	55,000	244.7
D11567-AX-ACCC	LAPWING (LAGUNA)	1949	987.5	1.504	38.20	0.385	9.78	1940	2887	36,400	162.1	48,900	217.5
D11567-E-ACCC	BERLIN (MADRID-ICE)	1986	1006.5	1.504	38.20	0.415	10.54	1982	2949	42,300	188.3	55,100	245.0
D11567-AX-ACCC	MADRID	1999	1013.0	1.504	38.20	0.385	9.78	1981	2948	36,400	162.1	49,200	219.1
D11567-E-ACCC	HOUSTON	1927	976.6	1.506	38.25	0.415	10.54	1934	2878	42,300	188.3	54,700	243.3
D11567-AY-ACCC	FALCON (SANOMA)	2045	1036.2	1.545	39.24	0.415	10.54	2045	3044	42,300	188.3	55,400	246.4
D11567-D-ACCC	CHUKAR (CARMEL)	2242	1135.8	1.604	40.74	0.395	10.03	2220	3303	38,400	170.6	52,700	234.4
D11567-BA-ACCC	CHUKAR II (CAPIST-RANO)	2606	1320.3	1.720	43.69	0.395	10.03	2570	3825	38,400	170.6	55,100	245.1
D11567-AZ-ACCC	BLUEBIRD (BIG SUR)	2741	1388.7	1.762	44.75	0.415	10.54	2703	4022	42,300	188.3	59,900	266.4
D11567-AZ-ACCC	ATHENS	2782	1409.6	1.762	44.75	0.415	10.54	2732	4066	42,300	188.3	60,200	267.6

Jumpers for ACCC



Catalog Number Configuration for Jumpers

B11565 - **AFL Code** - **ACCC**

Notes

1. All Jumpers are rated for "EHV."
2. For more information, contact AFL at 1.800.866.7385.

AFL NO.	ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
JUMPER	SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/KFT)	(KG/KM)	(LBF)	(KN)	(LBF)	(KN)
B11565-K-ACCC	PASADENA	305	154.4	0.616	15.65	0.235	5.97	321	478	13,600	60.4	15,500	68.9
B11565-K-ACCC	HELSINKI	297	150.6	0.616	15.65	0.235	5.97	317	471	13,600	60.4	15,500	68.9
B11565-G-ACCC	JAIPUR	309	156.7	0.650	16.50	0.305	7.75	349	519	22,900	101.7	24,900	110.8
B11565-BB-ACCC	ZADAR	356	180.3	0.673	17.09	0.280	7.11	386	574	19,300	85.7	21,600	96.1
B11565-BC-ACCC	ROVINJ	378	191.6	0.673	17.10	0.235	5.97	392	583	13,600	60.4	16,000	71.2
B11565-BC-ACCC	OSTRICH (OCEANSIDE)	383	194.2	0.680	17.27	0.235	5.97	396	589	13,600	60.4	16,000	71.2
B11565-L-ACCC	LINNET (LA JOLLA)	430	218.1	0.720	18.29	0.235	5.97	440	655	13,600	60.4	16,300	72.5
B11565-L-ACCC	COPENHAGEN	434	219.9	0.720	18.29	0.235	5.97	444	661	13,600	60.4	16,400	72.8
B11565-M-ACCC	ORIOLE (OXNARD)	439	222.3	0.741	18.82	0.280	7.11	463	689	19,300	85.7	22,100	98.3
B11565-M-ACCC	REYKJAVIK	440	223.1	0.741	18.82	0.280	7.11	466	694	19,300	85.7	22,100	98.3
B11565-BD-ACCC	GDANSK	491	248.7	0.756	19.20	0.235	5.97	499	743	13,600	60.4	16,700	74.3
B11565-N-ACCC	GLASGOW	467	236.7	0.769	19.53	0.305	7.75	492	732	22,900	101.7	25,900	115.0
B11565-N-ACCC	WACO	454	230.1	0.770	19.56	0.305	7.75	485	721	22,900	101.7	25,800	114.8
B11565-P-ACCC	LAREDO	530	268.4	0.807	20.50	0.280	7.11	548	816	19,300	85.7	22,700	101.0
B11565-P-ACCC	CASABLANCA	540	273.6	0.807	20.50	0.280	7.11	561	834	19,300	85.7	22,700	101.1
B11565-R-ACCC	MONTE CARLO	451	228.5	0.818	20.78	0.415	10.54	537	799	42,300	188.3	45,200	201.2
B11565-S-ACCC	ULS MONTE CARLO	451	228.5	0.819	20.79	0.415	10.54	537	799	50,700	225.6	53,600	238.6
B11565-B-ACCC	HAWK (HERMOSA/LISBOON)	611	309.7	0.858	21.79	0.280	7.11	625	930	19,300	85.7	23,200	103.2
B11565-B-ACCC	LISBON	623	315.5	0.858	21.79	0.280	7.11	637	948	19,300	85.7	23,300	103.5
B11565-F-ACCC	IRVING	609	308.8	0.882	22.40	0.345	8.76	649	965	29,300	130.2	33,200	147.7
B11565-F-ACCC	OSLO	619	313.8	0.882	22.40	0.345	8.76	659	981	29,300	130.2	33,200	147.8
B11565-T-ACCC	DOVE (DOHNEY)	714	361.5	0.927	23.55	0.305	7.75	728	1083	22,900	101.7	27,500	122.3
B11565-T-ACCC	AMSTERDAM	725	367.4	0.927	23.55	0.305	7.75	740	1101	22,900	101.7	27,500	122.4
B11565-X-ACCC	ULS 25mm	753	381.8	0.984	25.00	0.415	10.54	817	1216	50,700	225.6	55,600	247.2
B11565-W-ACCC	GROSBEAK (GOLETA)	821	416.2	0.990	25.15	0.320	8.13	837	1245	25,200	112.0	30,400	135.2
B11565-W-ACCC	BRUSSELS	832	421.4	0.990	25.15	0.320	8.13	850	1265	25,200	112.0	30,500	135.7
B11565-Y-ACCC	ULS LEIPZIG	802	406.4	0.990	25.15	0.375	9.53	842	1253	41,300	183.5	46,600	207.3
B11565-BE-ACCC	STOCKHOLM 2L	914	463.3	1.039	26.39	0.345	8.76	937	1395	29,300	130.2	35,100	156.2
B11565-BE-ACCC	STOCKHOLM 3L	895	453.7	1.039	26.39	0.345	8.76	919	1368	29,300	130.2	35,000	155.7
B11565-BF-ACCC	LUBBOCK	904	458.0	1.040	26.42	0.345	8.76	924	1376	29,300	130.2	35,100	156.1
B11565-Z-ACCC	GALVESTON	1011	512.4	1.090	27.69	0.345	8.76	1025	1526	29,300	130.2	35,700	158.8
B11565-Z-ACCC	WARSAW	1002	507.5	1.091	27.71	0.345	8.76	1021	1520	29,300	130.2	35,700	158.7
B11565-A-ACCC	DRAKE (DEL MAR)	1026	519.7	1.108	28.14	0.375	9.53	1052	1565	34,600	153.8	41,200	183.3
B11565-A-ACCC	DUBLIN	1035	524.5	1.108	28.14	0.375	9.53	1064	1583	34,600	153.8	41,200	183.3
B11565-AB-ACCC	PLANO	1059	536.8	1.127	28.63	0.345	8.76	1073	1597	29,300	130.2	36,000	160.1
B11565-AB-ACCC	HAMBURG	1078	546.4	1.127	28.63	0.345	8.76	1093	1627	29,300	130.2	36,200	160.9

Jumpers for ACCC (cont.)

AFL NO.	ACCC	CONDUCTOR		DIAMETER		CORE DIAMETER		WEIGHT		CORE RATED STRENGTH		COND. RATED STRENGTH	
JUMPER		SIZE	(KCMIL)	(MM²)	(IN)	(MM)	(IN)	(MM)	(LB/KFT)	(KG/KM)	(LBF)	(KN)	(LBF)
B11565-AC-ACCC	KOLKATA	1073	543.5	1.127	28.63	0.375	9.53	1104	1643	34,600	153.8	41,400	184.0
B11565-AA-ACCC	CURLEW (CRESCENT)	1033	523.4	1.140	28.96	0.415	10.54	1082	1610	42,300	188.3	49,000	218.0
B11565-AD-ACCC	ULS MAHAKAM	1075	544.9	1.142	29.01	0.415	10.54	1127	1677	50,700	225.6	57,600	256.3
B11565-AE-ACCC	CORPUS CHRISTI	1103	558.9	1.146	29.11	0.345	8.76	1113	1657	29,300	130.2	36,300	161.5
B11565-AE-ACCC	MILAN	1120	567.7	1.146	29.11	0.345	8.76	1133	1686	29,300	130.2	36,400	162.1
B11565-AF-ACCC	ARLINGTON	1151	583.2	1.177	29.90	0.375	9.53	1173	1745	34,600	153.8	41,900	186.4
B11565-AF-ACCC	ROME	1169	592.5	1.177	29.90	0.375	9.53	1192	1774	34,600	153.8	42,100	187.1
B11565-AG-ACCC	CARDINAL (CARLSBAD)	1222	619.1	1.198	30.43	0.345	8.76	1225	1823	29,300	130.2	37,100	165.0
B11565-AG-ACCC	VIENNA	1242	629.2	1.198	30.43	0.345	8.76	1245	1853	29,300	130.2	37,200	165.5
B11565-AH-ACCC	FORT WORTH	1300	658.9	1.240	31.50	0.375	9.53	1312	1952	34,600	153.8	42,900	190.8
B11565-AH-ACCC	BUDAPEST	1319	668.3	1.240	31.50	0.375	9.53	1333	1984	34,600	153.8	43,000	191.4
B11565-AK-ACCC	PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	29,300	130.2	38,000	169.0
B11565-AL-ACCC	ULS PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1364	2031	34,900	155.1	43,800	194.8
B11565-AM-ACCC	MUMBAI	1353	685.4	1.251	31.78	0.375	9.53	1367	2035	34,600	153.8	43,200	192.0
B11565-AK-ACCC	EL PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	29,300	130.2	37,900	168.6
B11565-AL-ACCC	ULS EL PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	34,900	155.1	43,500	193.5
B11565-H-ACCC	MUNICH	1447	733.1	1.293	32.84	0.375	9.53	1458	2170	34,600	153.8	43,800	195.0
B11565-H-ACCC	BEAUMONT	1429	723.9	1.294	32.87	0.375	9.53	1436	2136	34,600	153.8	43,700	194.4
B11565-AN-ACCC	SAN ANTONIO	1475	747.3	1.315	33.40	0.385	9.78	1486	2212	36,400	162.1	45,900	204.2
B11565-AN-ACCC	LONDON	1498	759.0	1.315	33.40	0.385	9.78	1511	2248	36,400	162.1	46,000	204.8
B11565-AP-ACCC	BITTERN (BALBOA)	1582	801.4	1.345	34.16	0.345	8.76	1566	2331	29,300	130.2	39,400	175.3
B11565-AR-ACCC	ULS BITTERN (BALBOA)	1582	801.4	1.345	34.16	0.345	8.76	1566	2331	34,900	155.1	45,000	200.2
B11565-AP-ACCC	PARIS	1606	813.7	1.345	34.16	0.345	8.76	1590	2366	29,300	130.2	39,600	175.9
B11565-AW-ACCC	BORDEAUX	1738	880.8	1.408	35.76	0.415	10.54	1859	2766	42,300	188.3	53,500	237.9
B11565-AS-ACCC	ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	36,400	162.1	48,400	215.2
B11565-AT-ACCC	ULS ANTWERP	1865	944.8	1.451	36.86	0.385	9.78	1855	2760	43,500	193.5	55,600	247.3
B11565-AS-ACCC	DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	36,400	162.1	47,900	213.1
B11565-AT-ACCC	ULS DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	43,500	193.5	55,000	244.7
B11565-AX-ACCC	LAPWING (LAGUNA)	1949	987.5	1.504	38.20	0.385	9.78	1940	2887	36,400	162.1	48,900	217.5
B11565-E-ACCC	BERLIN (MADRID-ICE)	1986	1006.5	1.504	38.20	0.415	10.54	1982	2949	42,300	188.3	55,100	245.0
B11565-AX-ACCC	MADRID	1999	1013.0	1.504	38.20	0.385	9.78	1981	2948	36,400	162.1	49,200	219.1
B11565-E-ACCC	HOUSTON	1927	976.6	1.506	38.25	0.415	10.54	1934	2878	42,300	188.3	54,700	243.3
B11565-AY-ACCC	FALCON (SANOMA)	2045	1036.2	1.545	39.24	0.415	10.54	2045	3044	42,300	188.3	55,400	246.4
B11565-D-ACCC	CHUKAR (CARMEL)	2242	1135.8	1.604	40.74	0.395	10.03	2220	3303	38,400	170.6	52,700	234.4
B11565-BA-ACCC	CHUKAR II (CAPISTRANO)	2606	1320.3	1.720	43.69	0.395	10.03	2570	3825	38,400	170.6	55,100	245.1
B11565-AZ-ACCC	BLUEBIRD (BIG SUR)	2741	1388.7	1.762	44.75	0.415	10.54	2703	4022	42,300	188.3	59,900	266.4
B11565-AZ-ACCC	ATHENS	2782	1409.6	1.762	44.75	0.415	10.54	2732	4066	42,300	188.3	60,200	267.6

Dissipator High-Efficiency Stockbridge Damper

New Bell-shaped Weight Design

AFL's new Dissipator high-efficiency stockbridge damper 1700AA series provides a significant performance improvement over our traditional damper due to its unique offset bell-shaped weight configuration. The new offset weight design basically doubles the number of resonant frequencies, thereby providing a more consistent efficiency performance over the aeolian frequency span. AFL combined the proven performance of our unique bell-shaped weights and incorporated them in a design using two different size weights on unequal messenger lengths. The end result produced a damper with optimum performance that will eliminate damage caused by aeolian vibration thereby extending the life of a transmission line.

VIBREC® Damper Placement Software

AFL has the longest standing history in vibration analysis today. From the many years of testing and gathering of empirical data, AFL introduced Vibrec, an integrated Windows®-based vibration analysis program that is available as a "Free Download" on our website. This program allows users to perform analysis on transmission lines by inputting various mechanical and environmental parameters that can affect vibration. With this information, Vibrec determines how many AFL Stockbridge vibration dampers or Speed-Grip® Spacers will be required for each span and suggests the best location for these accessories. You can also contact our technical support team for a free analysis.

Features

- Four natural frequency response modes and the unique weight shape provide one of the widest frequency ranges of coverage in the industry.
- Damper's unique bell shaped weight with smooth contours throughout the entire damper design provides corona performance up to 500 kV.
- Optional break-a-way bolt available to ensure consistent torque requirements.
- Special 19-strand messenger cable provides highly efficient energy dissipation.



Unique conductor clamp design can be used on HiTemp® conductor applications up to 250°C without the need for armor rods

For more information, contact AFL's Technical Support at 1.800.866.7385.

Vibration Dampers for Aluminum Type Conductor (ACCC, ACSR, ACSR-TW, ACSS, ACSS-TW, AAC, AAAC, ACAR)

Table 1: Weight Selection

WEIGHT CATALOG NUMBER	BARE CONDUCTOR DIAMETER RANGE		WEIGHT ¹	
			STEEL	
	IN	MM	LBS	KG
ALUMINUM CONDUCTOR				
1703	0.361 - 0.570	9.2 - 14.4	2.9	1.32
1704	0.571 - 0.770	14.5 - 19.5	6.5	2.95
1705	0.771 - 0.970	19.6 - 24.6	9.9	4.49
1706AA	0.971 - 1.210	24.7 - 30.7	8.2	3.72
1707AA	1.211 - 1.382	30.8 - 35.1	8.4	3.81
1708AA	1.383 - 1.825	35.2 - 46.4	16.7	7.57

Table 2: Clamp Selection

CLAMP AFL NO.	OVERALL DIAMETER RANGE AT POINT OF INSTALLATION		CLAMP BOLT DIA ⁴	WEIGHT ²	
				ALUMINUM	
	IN	MM		LBS	KG
-2	0.270 - 0.360	6.9 - 9.1	7/16	0.3	0.15
-3	0.361 - 0.460	9.2 - 11.6	7/16	0.3	0.15
-4	0.461 - 0.570	11.7 - 14.4	7/16	0.3	0.15
-5	0.571 - 0.675	14.5 - 17.1	7/16	0.4	0.16
-6	0.676 - 0.770	17.2 - 19.8	7/16	0.4	0.15
-7	0.771 - 0.870	19.6 - 22.1	1/2	0.6	0.26
-8	0.871 - 0.970	22.2 - 24.6	1/2	0.6	0.26
-9 ³	0.971 - 1.090	24.7 - 27.6	1/2	1.1	0.50
-10 ³	1.091 - 1.210	27.7 - 30.7	1/2	1.1	0.50
-11 ³	1.211 - 1.330	30.8 - 33.7	1/2	1.1	0.50
-13 ³	1.331 - 1.486	33.8 - 37.7	5/8	1.6	0.73
-14 ³	1.487 - 1.643	37.8 - 41.7	5/8	1.5	0.68
-15 ³	1.644 - 1.780	41.8 - 45.2	5/8	1.5	0.68
-16 ³	1.781 - 1.960	45.3 - 49.7	5/8	2.2	1.00
-17 ³	1.961 - 2.157	49.8 - 54.7	5/8	2.2	1.00
-18 ³	2.158 - 2.375	54.8 - 60.3	5/8	2.4	1.09
-19 ³	2.376 - 2.614	60.4 - 66.4	5/8	2.4	1.09

Notes:

1. Steel weight shown in Table 1 includes both damper weights and other steel parts used. For complete weight of damper assembly, add partial weights shown in Tables 1 and 2.
2. Regular aluminum hexagon head bolts are standard on assemblies that have 1705 weights and smaller. Assemblies having 1706AA weights and larger have special Corona hexagon head bolts.
3. For conductor sizes not covered in the table, consult AFL Technical Support Team at 1.800.866.7385.
4. Installation instructions for dampers start on page 393 of AFL's Transmission and Distribution catalog.
5. Weight combination sizes for cables smaller than 0.971" (1700 series) have identical weights on both sides.
6. Weight size 1701 uses a 7-strand messenger cable.

Ordering Instructions

Step 1: Determine Conductor Diameter

All damper ordering is based on the diameter of the conductor being used.

Step 2: Select Weight Catalog Number

Use Table 1 to select the correct weight catalog number based on the diameter of the bare conductor being used.

Step 3: Select Clamp Catalog Number

Before selecting a Clamp, ask one question 'Does this application require placement of clamp over armor rods?'

If yes, select the correct clamp catalog number from Table 2 based on the total diameter of the conductor and the armor rods.

If no, select the correct clamp catalog number from Table 2 based on the diameter of the bare conductor being used.

Step 4: Select Bolts

For breakaway bolts, use 'BA'. For standard bolts, leave blank.

Step 5: Create Catalog Number

Weight Catalog Number + Clamp Catalog Number + Bolts

Example:

Without Armor Rods

Conductor Diameter: 1.108" (28.1 mm)

Weight Size from Table 1: 1706AA

Clamp Size from Table 2: -10

Bolts: Breakaway

Catalog Number: 1706AA-10BA

With Armor Rods

Conductor Diameter: 1.108" (28.1 mm)

Weight Size from Table 1: 1706AA

Diameter of Conductor and Armor Rods: 1.728" (43.9 mm)

Clamp Size from table 2: -15

Bolts: Standard

Catalog Number: 1706AA-15