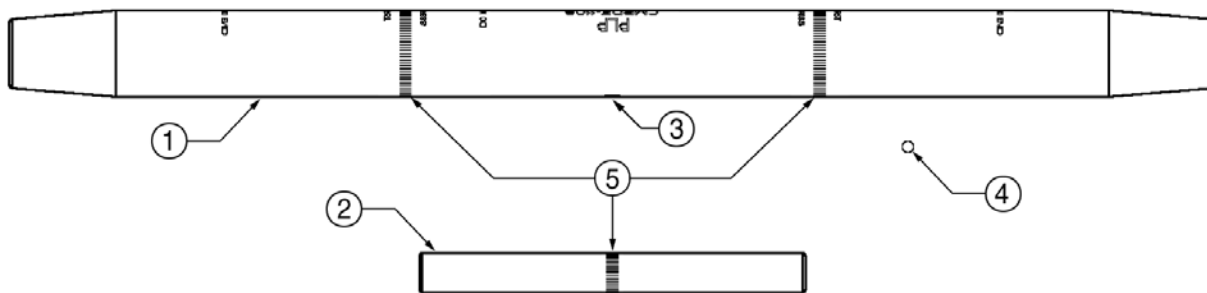


## Two Stage Compression Hardware Series for ACSR Conductors

### Compression Splice Assembly – CMPSP



Splice CMPSP

#### NOMENCLATURE

##### Splices

1. **Aluminum Splice Body:** Aluminum component of splice assembly that is compressed around the OD of the conductor.
2. **Steel Splice Body:** Steel component of the splice assembly that is compressed around the OD of the steel core.
3. **Filler Hole:** Hole utilized to insert inhibitor compound into the compression assembly.
4. **Filler Plug:** Plug utilized to close off the filler hole after inhibitor compound has been inserted into the compression assembly.
5. **Knurl Marks:** Knurls placed on the OD of the aluminum and steel components to mark start and stop locations for compression.

#### GENERAL RECOMMENDATIONS

Compression splice assemblies are specially designed for applications on ACSR conductor only.

Designs utilize a dual compression product requiring compression of a steel component around the steel core and an aluminum component around the aluminum wire OD.

Compression of products can be completed with industry standard presses and dies.

#### GENERAL SPECIFICATIONS

**Holding Strength:** 95% or more of the conductor rated breaking strength (RBS) in accordance with ANSI C119.4 requirements for tensile strength.

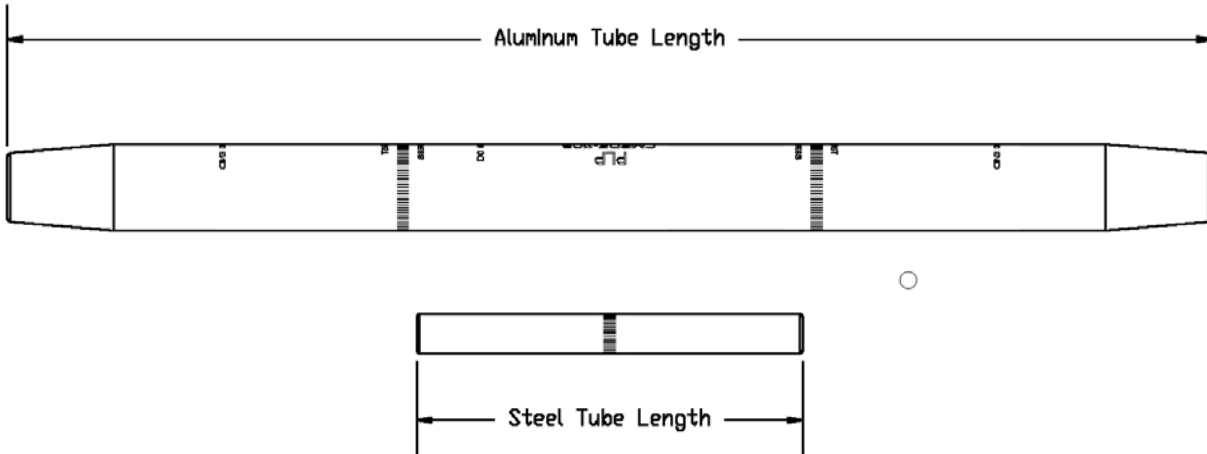
Designs allows for continuous conductor operating temperatures up to 125°C (150°C two hour emergency).

**Includes:** Aluminum splice body, steel splice body, and filler plug.



## Two Stage Compression Hardware Series for ACSR Conductors

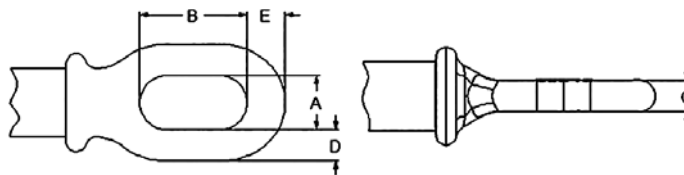
### Compression Splice Assembly – CMPSP



Splice Assembly Catalog Number	Conductor Information				Al. Body Part No.	Al. Die Size	Steel Splice Part No.	Steel Die Size	Dimensions		Wgt lbs
	Code Word	Area kcmil	Al/St	Dia. in					Al. Tube Length in	Steel Tube Length in	
CMPSP-1063	Tern	795	45/7	1.063	74266	30AH	65595	10SH	27.9	8.5	5.1
CMPSP-1081	Redwing	715.5	30/19	1.081	74267	30AH	65762	16SH	27.9	8.5	5.1
CMPSP-1092	Cuckoo/Condor	795	24/7,54/7	1.092	74268	30AH	65763	12SH	26.1	8.5	4.8
CMPSP-1108	Drake	795	26/7	1.108	64894	30AH	65542	14SH	26.1	8.5	4.8
CMPSP-1131	Ruddy	900	45/7	1.131	74269	30AH	65765	10SH	28.7	8.5	5.1
CMPSP-1140	Skimmer/Mallard	795	30/7,30/19	1.140	74270	30AH	65766	16SH	28.7	8.5	5.1
CMPSP-1162	Canary	900	54/7	1.162	74271	30AH	65768	14SH	26.9	8.5	4.9
CMPSP-1165	Corncrake/Rail	954	20/7,45/7	1.165	74272	30AH	65769	10SH	26.9	8.5	4.8
CMPSP-1196	Redbird/Cardinal	954	24/7,54/7	1.196	74274	30AH	65770	14SH	27.5	8.5	4.9
CMPSP-1203	Snowbird	1033.5	42/7	1.203	74275	30AH	65771	10SH	27.5	8.5	4.9
CMPSP-1212	Ortolan	1033.5	45/7	1.212	74276	34AH	65703	10SH	27.7	8.5	6.9
CMPSP-1245	Curlew	1033.5	54/7	1.245	74277	34AH	65772	14SH	30.3	8.5	7.4
CMPSP-1248	Canvasback	954	30/19	1.248	74278	34AH	65773	18SH	30.3	8.5	7.4
CMPSP-1259	Bluejay	1113	45/7	1.259	74279	34AH	65695	12SH	30.3	8.5	7.3
CMPSP-1293	Finch	1113	54/19	1.293	74280	34AH	65774	14SH	30.9	8.5	7.2
CMPSP-1302	Bunting	1192.5	45/7	1.302	74281	34AH	65693	12SH	30.9	8.5	7.2
CMPSP-1338	Grackle	1192.5	54/19	1.338	74282	36AH	65775	14SH	31.5	8.5	8.1
CMPSP-1345	Bittern	1272	45/7	1.345	74283	36AH	65687	12SH	31.5	8.5	8.1
CMPSP-1504	Lapwing	1590	45/7	1.504	74290	40AH	65683	12SH	33.9	10.3	10.6
CMPSP-1505	Parrot	1510	54/19	1.505	74291	40AH	65782	16SH	33.9	10.3	10.6
CMPSP-1545	Falcon	1590	54/19	1.545	74292	40AH	65675	18SH	45.3	10.3	13.2
CMPSP-1602	Chukar	1780	84/19	1.602	74293	42AH	65539	14SH	45.3	10.3	15.0

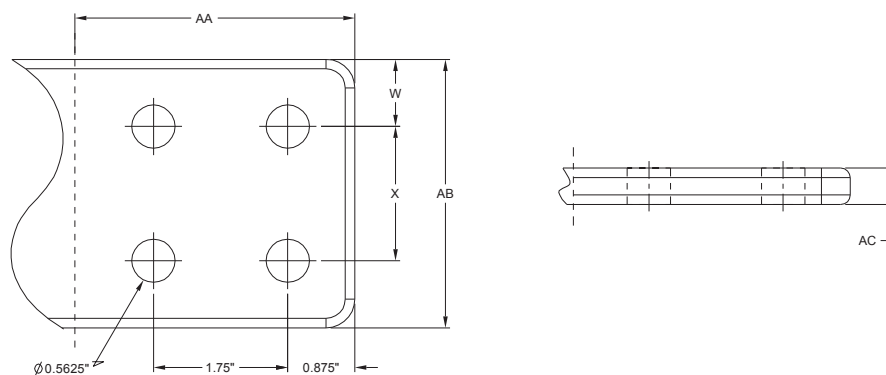
# Steel Eye Dimensions and PAD Dimensions

## Steel Dead-end Eye Classifications and Dimensions



Forging	A	B	C	D	E
Class 2	1.000	2.500	0.750	0.688	0.875
Class 3	1.375	2.750	0.813	0.813	1.000
Class 4	1.375	2.750	1.000	1.000	1.125
Class 5	1.375	2.75	1.125	1.125	1.313

## PAD Classifications and Dimensions



Pad	W	X	AA	AB Jumper	AC Jumper	AB Dead-End	AC Dead-End
Class F	0.69	NA	3.5	3.13	0.41	3.13	0.688
Class G	0.875	1.75	3.5	3.5	0.475	3.5	0.688
Class H	0.813	1.75	3.5	3.375	0.475	3.375	0.688
Class J	1	1.75	3.5	3.75	0.6	3.75	0.688
Class K	1.188	1.75	3.5	4.125	0.6	4.125	0.688
Class L	1.063	1.75	3.5	3.875	0.6	3.875	0.688
Class M	1.063	1.75	3.5	3.875	0.71	3.875	0.688
Class N	1.063	1.75	3.5	3.875	0.71	3.875	0.792
Class P	1.094	1.75	3.5	3.938	0.81	3.938	0.792
Class Q	1.125	1.75	3.5	4	0.81	4	0.792