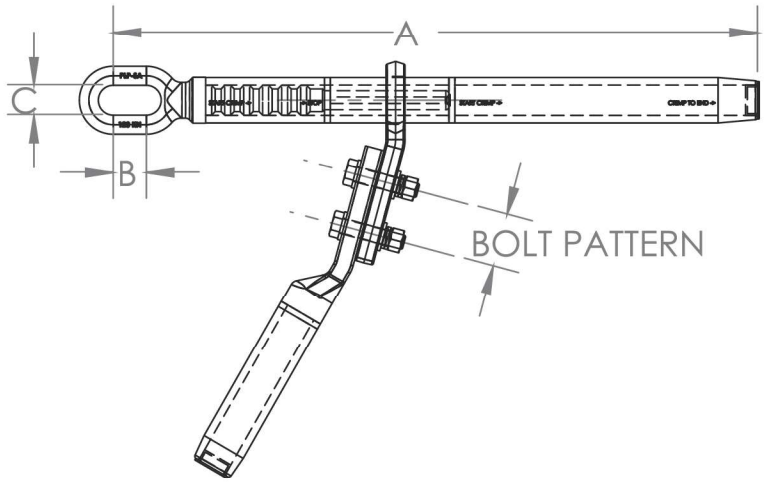
COMPRESSION DEAD-END FOR ACSR

The Compression Dead-Ends 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 aluminium component around the aluminium wire OD. Compression of products cab be completed with industry standard presses and dies.

FEATURES AND BENEFITS

- Dead End Body: Aluminium component of dead end assembly that is compressed around the OD of the conductor.
- Steel Dead End Eye: Steel component of the dead end assembly that is compressed around the OD of the steel core.
- Holding Strength: 95% or more of the conductor rated breaking strength (RBS).
- Design allows for continuous conductor operating temperatures up to 125°C (150°C two hour emergency).
- Dead End pad is constructed with a 15° angle which allows for the terminal connection of jumper and dead end to be bolted together in a 0° or 30° configuration.
- Includes: Aluminium dead end body, steel dead end eye, felt washer, and filler plug.

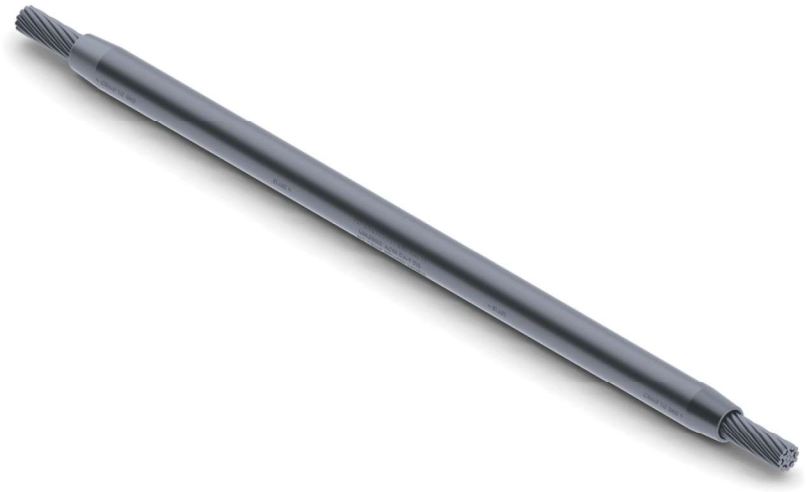
Compression Dead-End for ACSR



Specifications

Catalog Numbers	Conductor	Steel DIE	Alum. DIE	Palm Bolt Pattern
CFDE-432-MNK	MINK	-	DA-6	2 x 45
CFDE-557-HRE	HARE	DS-7	DA-7	2 x 45
CFDE-713-WLF	WOLF	DS-8	DA-8	2 x 45
CFDE-743-CKD	CHICADEE	DS-8	DA-8	2 x 45
CFDE-815-PCN	PELICAN	DS-8	DA-9	2 x 45
CFDE-923-BER	BEAR	DS-10	DA-9	2 x 45
CFDE-941-KNB	KINGBIRD	DS-8	DA-9	2 x 45
CFDE-1064-TRN	TERN	DS-8	DA-11	3 x 45
CFDE-1127-ZBR	ZEBRA	DS-10	DA-11	3 x 45
CFDE-1165-RAL	RAIL	DS-10	DA-11	3 x 45
CFDE-1400-BRT	BERSFORT	DS-10	DA-13	4 x 45

Compression Dead-End For All ACSR Conductors Is Available On Request



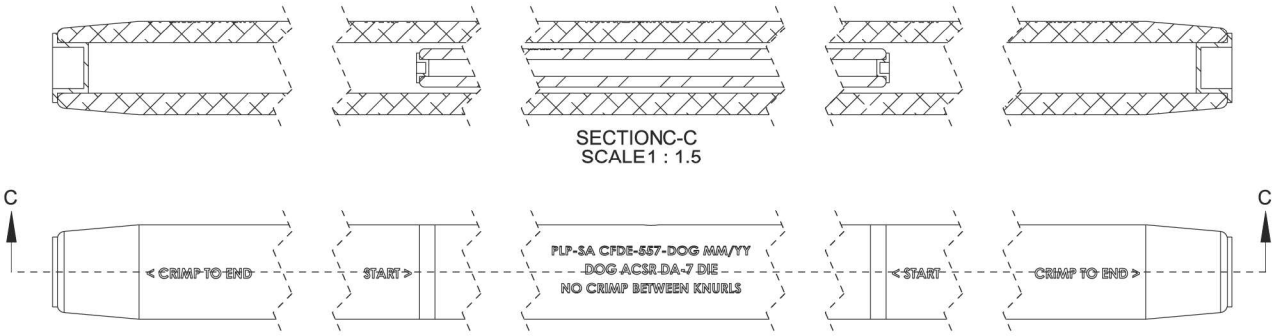
COMPRESSION MIDSPAN JOINT

The Compression Midspan Joints are specially designed for applications on ACSR , AAC and AAAC conductors. Designs utilize a dual compression product requiring compression of a steel component around the steel core and an aluminium component around the aluminium wire OD.

FEATURES AND BENEFITS

- Compression of products can be completed with industry standard presses and dies.
- The steel insert is galvanised Compression tube is extruded aluminium.
- All compression tubes are pre-greased and sealed with a plastic cap.
- All compression fittings are tested in accordance with IEC 61284: Heat cycle and tensile.
- Designs allows for continuous conductor operating temperature up to 125°C (150°C two hour emergency).
- Includes: Aluminium splice body, steel splice body, and filler plug.

Compression Midspan Joint



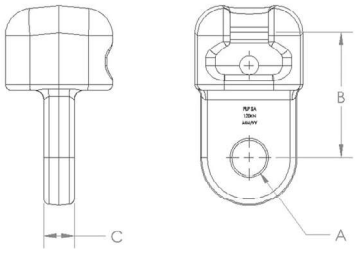
Specifications

Catalog Numbers	Conductor	Steel DIE	Alum. DIE	A (mm)	B (mm)
CFMJ-432-MNK	MINK	-	DA-6	310	-
CFMJ-557-HRE	HARE	DS-7	DA-7	530	220
CFMJ-713-WLF	WOLF	DS-8	DA-8	580	220
CFMJ-743-CKD	CHICADEE	DS-8	DA-8	670	230
CFMJ-815-PCN	PELICAN	DS-8	DA-9	700	220
CFMJ-923-BER	BEAR	DS-10	DA-9	720	240
CFMJ -941-KNB	KINGBIRD	DS-8	DA-9	760	220
CFMJ-1064-TRN	TERN	DS-8	DA-11	850	270
CFMJ-1127-ZBR	ZEBRA	DS-10	DA-11	880	280
CFMJ-1165-RAL	RAIL	DS-10	DA-11	950	270
CFMJ-1400-BRT	BERSFORT	DS-10	DA-13	1070	310

Compression Midspan Joint For All Conductors Is Available On Request

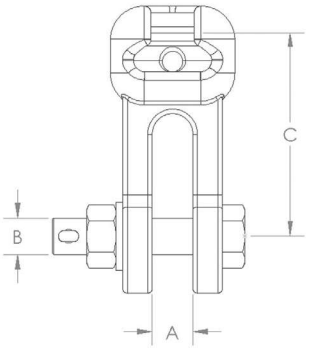
Socket Tongue

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
7612000	18	65	16	120
7621000	22	70	20	210



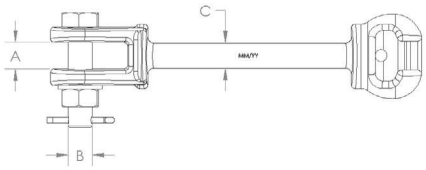
Socket Clevis

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
7512001	18	16	90	120
7521001	22	20	90	210
7530001	26	24	90	300



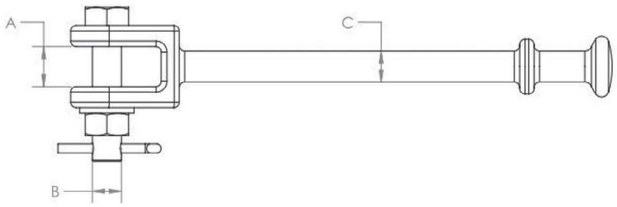
Socket Clevis Hot-Line Maintenance

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
751200501	18	16	17	120
752100501	22	20	21	210
753000501	26	24	25	300



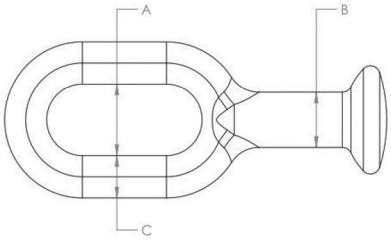
Ball Clevis Hot-Line Maintenance

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
951200501	22	16	17	120
952100501	22	20	21	210
953000501	25	26	25	300



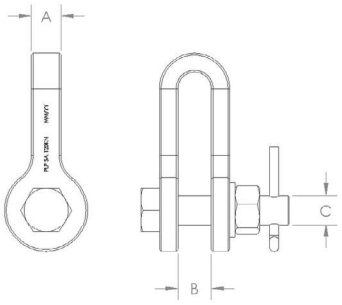
Ball Oval Eye

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
9812011	22	17	17	120
9821011	28	21	21	210
9830011	35	25	25	300



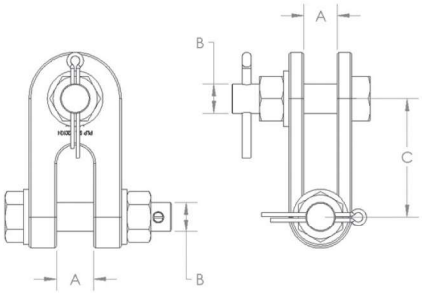
Strap Shackle

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
56120021601	18	18	16	120
56210022002	20	22	20	210



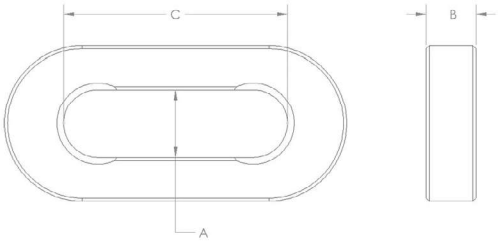
Twisted Clevis-Clevis (Plate Type)

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
05120020101	18	16	65	120
05210020202	22	20	85	210
05300020303	27	24	108	300
05400020303	27	27	108	400
05600020404	34	33	111	600



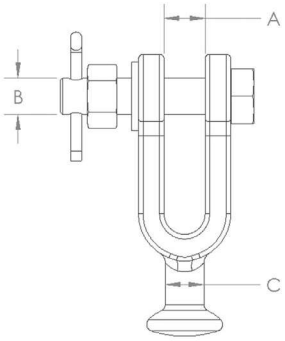
Chain Links (Plate Type)

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
0112000	22	16	72	120



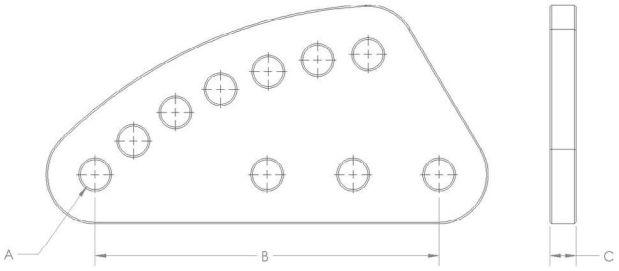
Ball Clevis

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
95120000101	18	16	17	120
95210000102	22	20	21	210
95300000103	26	24	25	300

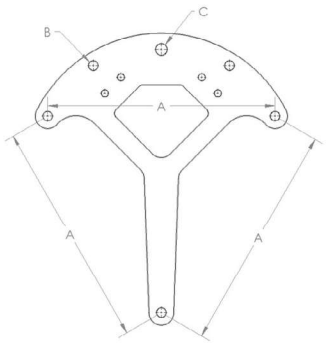


Sag Adjuster

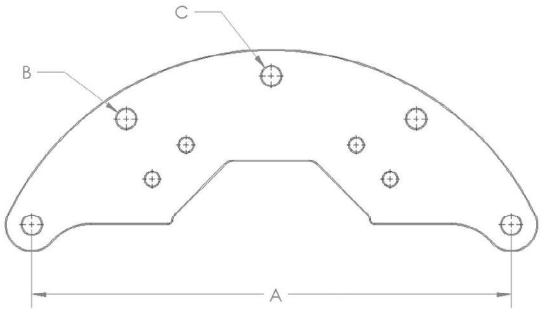
Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
04120060107	18	85-210	16	120
04210060307	22	85-225	20	210



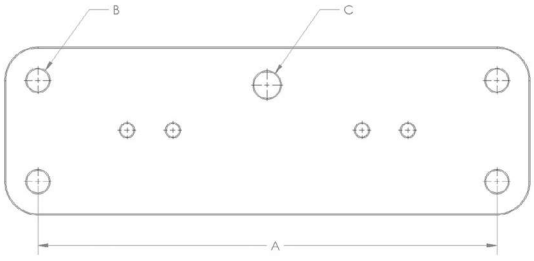
Y-Suspension Yoke Plate

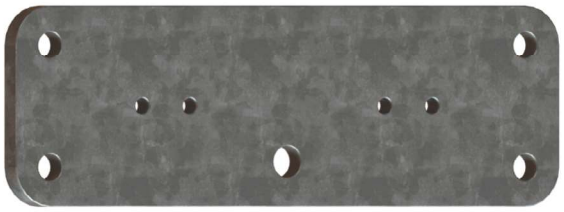


Trapezoidal Suspension Yoke Plate

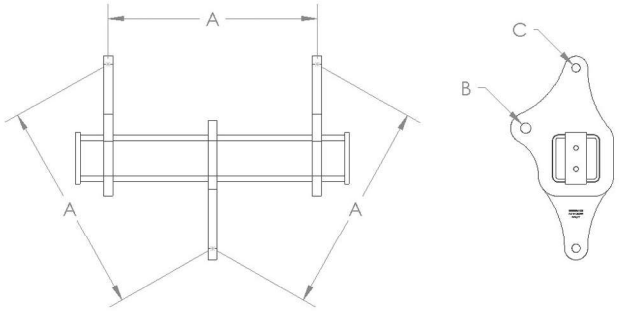


Rectangular Strain Yoke Plate

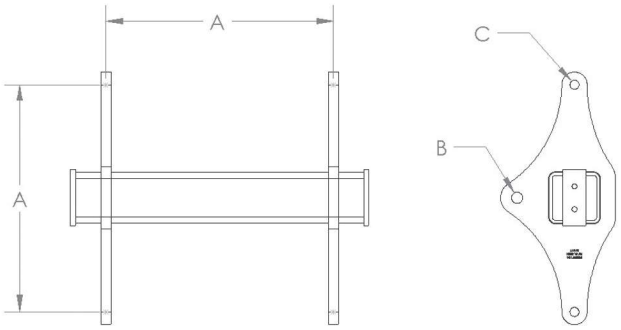




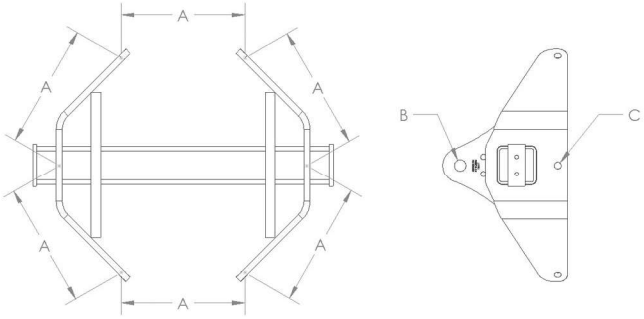
Triple Tubular Yoke

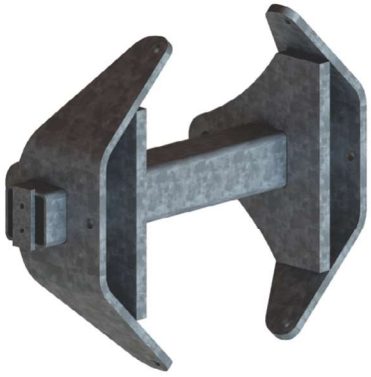


Quad Tubular Yoke



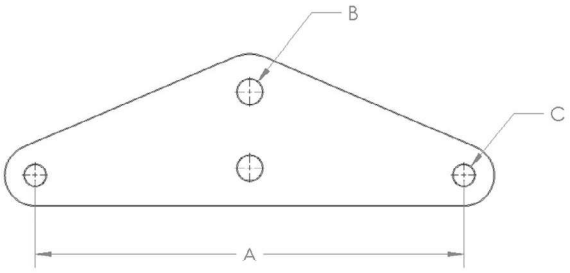
Hex Tubular Yoke





Aluminium Grading Rings

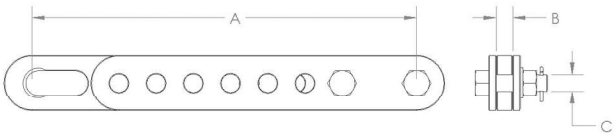
Isosceles Yoke Plate



Note: Iscosceles Yoke Plates can be designed to match customer specification

Adjustable Extension Link

Catalog Numbers	DIM "A"	DIM "B"	DIM "C"	Breaking Load (kN)
1012003002	340-565	18	16	120
1021003001	610-970	22	20	210
1030003001	610-970	26	24	300
1040003001	610-970	26	25	400



Extension Link

Conductor Guide

All Aluminium Alloy Conductors - AAAC (British Standard Sizes)

Conductor Name	Equivalent Copper area	Stranding & Wire dia.	Overall Diameter	Aluminium Area
ACACIA	13	7/2,08	6,24	23,79
ALMOND	16	7/2,34	7,02	30,10
CEDAR	19	7/2,54	7,59	35,47
35	22	7/2,77	8,31	42,18
FIR	25	7/2,95	8,85	47,84
HAZEL	32	7/3,30	9,90	59,87
PINE	38	7/3,61	10,83	71,65
70	45	7/3,91	11,73	84,05
WILLOW	48	7/4,04	12,12	89,73
80	51	7/4,19	12,57	96,52
90	58	7/4,45	13,35	108,9
OAK	63	7/4,65	13,95	118,9
100	63	19/2,82	14,10	118,7
MULBERRY	80	19/3,18	15,90	150,9
ASH	96	19/3,48	17,40	180,7
ELM	112	19/3,76	18,80	210,9
POPLAR	119	37/2,87	20,09	239,4
225	143	37/3,05	21,35	270,3
SYCAMORE	161	37/3,23	22,61	303,2
UPAS	192	37/3,53	24,71	362,1
350	224	37/3,81	26,67	421,8
YEW	254	37/4,06	28,42	479,0

All Aluminium Conductor - AAC (British Standard Sizes)

Conductor Name	Equivalent Copper area	Stranding & Wire dia.	Overall Diameter	Aluminium Area
MIDGE	14,19	7/2,06	6,18	23,33
APHIS	16,13	3/3,35	7,24	26,44
GNAT	16,13	7/2,21	6,63	26,85
WEEVIL	19,35	3/3,66	7,91	31,56
MOSQUITO	22,58	7/2,59	7,77	36,88
LADYBIRD	25,81	7/2,79	8,37	42,80
ANT	32,26	7/3,10	9,30	52,83
FLY	38,71	7/3,40	10,20	63,55
BLUEBOTTLE	45,16	7/3,66	10,98	73,65
EARWIG	48,39	7/3,78	11,34	78,55
GRASSHOPPER	51,61	7/3,91	11,73	84,05
CLEGG	58,06	7/4,17	12,51	95,60
WASP	64,52	7/4,39	13,17	105,95
BEETLE	64,52	19/2,67	13,35	106,38
BEE	80,64	7/4,90	14,70	132,00
CRICKET	96,77	7/5,36	16,08	157,95
HORNET	96,77	19/3,25	16,25	157,95
CATERPILLAR	112,90	19/3,53	17,65	185,95
CHAFER	129,00	19/3,78	18,90	213,22
SPIDER	145,20	19/3,99	19,95	237,57
COCKROACH	161,30	19/4,22	21,10	265,75
BUTTERFLY	193,50	19/4,65	23,25	322,66
MOTH	225,80	19/5,00	25,00	373,06
DRONE	225,80	37/3,58	25,06	372,44
LOCUST	258,10	19/5,36	26,80	428,72
CENTIPEDE	258,10	37/3,78	26,46	415,22
MAYBUG	290,30	37/4,09	28,63	486,11
SCORPION	322,60	37/4,27	29,89	529,84
CICADA	387,10	37/4,65	32,55	628,34
TARANTULA	483,90	37/5,23	36,61	794,87
BULL	527,87	61/4,25	38,25	865,36

Aluminium Conductor Steel Reinforced-ACSR (British Standard Sizes)

Conductor Name	Equivalent Copper area	Stranding & Wire dia.	Overall Diameter	Aluminium Area
MOLE	6,45	6/1/1,50	1,50	4,50
SQUIRREL	12,90	6/1/2,11	2,11	6,33
GOPHER	16,30	6/1/2,36	2,36	7,08
WEASEL	19,35	6/1/2,59	2,59	7,77
FOX	22,58	6/1/2,79	2,79	8,37
FERRET	25,81	6/1/3,00	3,00	9,00
RABBIT	32,26	6/1/3,35	3,35	10,05
MINK	38,71	6/1/3,66	3,66	10,98
SKUNK	38,71	12/7/2,59	7,77	12,95
BEAVER	45,16	6/1/3,99	3,99	11,97
HORSE	45,16	12/7/2,79	8,37	13,95
RACCOON	48,39	6/1/4,09	4,09	12,27
OTTER	51,61	6/1/4,22	4,22	12,66
CAT	58,06	6/1/4.50	4,50	13,50
HARE	64,52	6/1/4,72	4,72	14,16
DOG	64,52	6/4,72	4,71	14,15
HYENA	64,52	+7/1,57	5,79	14,57
LEOPARD	80,65	7/4,39	5,25	15,81
COYOTE	80,65	+7/1,93	5,73	15,89
TIGER	80,65	6/5,28	4,72	16,52
WOLF	96,77	+7/1,75	7,77	18,13
LYNX	112,90	26/2,54	8,37	19,53
PANTHER	129,00	+7/1,91	9,00	21,00
LION	145,20	30/7/2,36	9,54	22,26
BEAR	161,30	30/7/2,59	10,05	23,45
GOAT	193,50	30/7/2,79	11,13	25,97
SHEEP	225,80	30/7/3,00	11,97	27,93
ANTELOPE	225,80	30/7/3,18	8,91	26,73
BISON	225,80	30/7/3,35	9,00	27,00
DEER	258,10	30/7/3,71	12,81	29,89
ZEBRA	258,10	30/7/3,99	9,54	28,62
ELK	290,30	54/7/2,97	13,50	31,50
CAMEL	290,30	54/7/3,00	10,05	30,15
MOOSE	322,60	30/7/4,27	10,59	31,77
DINOSAUR	414,63	54/7/3,18	11,80	35,50
BERSFORD	430,70	30/7/4,50	9,96	35,58

Aluminium Conductor Steel Reinforced-ACSR (Canadian Standard Sizes)

Conductor Name	Equivalent Copper area	Stranding & Wire dia.	Overall Diameter	Aluminium Area
CARDINAL	305,00	54/7/3,38	10,14	30,38
ORTLAN	329,40	45/3,85 +7/2,57	7,71	30,81
CURLEW	329,40	54/7/3,52	10,56	31,65
BLUEJAY	354,70	45/4,00 +7/2,66	7,98	31,98
FINCH	354,70	54/3,65 +19/2,19	10,95	32,84
BUNTING	380,00	45/4,14 +7/2/76	8,28	33,07
GRACKLE	380,00	54/3,77 +19/2,27	11,35	33,99
BITTERN	405,40	45/4,27 +7/2,85	8,55	34,16
PHEASANT	405,40	54/3,90 +19/2,34	11,70	35,36
DIPPER	430,70	45/4,40 +7/2,92	8,76	35,18
MARTIN	430,70	54/4,02 +19/2,41	12,05	36,17
BOBLINK	456,00	45/4,53 +7/3,02	9,06	36,25
PLOVER	456,00	54/4,14 +19/2,48	12,40	37,21
NUTHATCH	481,40	45/4,65 +7/3,10	9,30	37,21
PARROT	481,40	54/4,25 +19/2,55	12,75	38,25
LAPWING	506,70	45/4,77 +7/3,18	9,54	38,15
FALCON	506,70	54/4,36 +19/2,62	13,10	39,24
CHUKAR	567,00	84/3,70 +19/2,22	11,10	40,69

Aluminium Conductor Steel Reinforced-ACSR (Canadian Standard Sizes)

Conductor Name	Equivalent Copper area	Stranding & Wire dia.	Overall Diameter	Aluminium Area
OSPREY	177,40	18/1/4,47	4,47	22,33
PARAKEET	177,40	24/3,87 +7/2,58	7,74	23,22
EAGLE	177,40	30/7/3,46	10,38	24,22
DOVE	177,40	26/3,72 +7/2,89	8,67	23,55
PEACOCK	192,80	24/4,03 +7/2,69	8,07	24,21
SQUAB	192,80	26/3,87 +7/3,01	9,03	24,54
TEAL	192,80	30/3,61 +19/2,16	10,80	25,25
DUCK	192,80	54/7/2,69	8,07	24,21
KINGBIRD	197,04	18/1/4,78	4,78	23,90
ROOK	202,70	24/4,14 +7/2,76	8,28	24,82
EGRET	202,70	30/3,70 +19/2,22	11,10	25,90
GROSBEAK	202,70	26/3,97 +7/3,09	9,27	25,15
GOOSE	202,70	54/7/2,76	8,28	24,84
FLAMINGO	212,30	24/4,20 +7/2,82	8,46	25,38
GULL	212,30	54/7/2,82	8,46	25,38
REDWING	228,00	30/3,92 +19/2,35	11,75	27,43
STARLING	228,00	26/4,21 +7/3,28	9,84	26,68
CROW	228,00	54/7/2,92	8,76	26,28
TERN	253,40	45/3,38 +7/2,25	6,75	27,00
MALLARD	253,40	30/4,14 +19/2,48	12,40	28,96
DRAKE	253,40	26/4,44 +7/3,45	10,35	28,11
CONDOR	253,40	54/7/3,08	9,24	27,76
CRANE	278,70	54/7/3,23	9,69	29,11
CANARY	286,80	54/7/3,28	9,84	29,51
RAIL	304,00	45/3,70 +7/2,47	7,41	29,59

Aluminium Conductor Steel Reinforced-ACSR (Canadian Standard Sizes)

Conductor Name	Equivalent Copper area	Stranding & Wire dia.	Overall Diameter	Aluminium Area
WREN	5,26	6/1/1,33	1,33	3,99
WARBLER	6,63	6/1/1,50	1,50	4,50
TURKEY	8,37	6/1/1,68	1,68	5,04
THRUSH	10,55	6/1/1,89	1,89	5,67
SWAN	13,30	6/1/2,12	2,12	6,36
SWALLOW	16,77	6/1/2,38	2,38	7,14
SPARROW	21,15	6/1/2,67	2,67	8,01
ROBIN	26,67	6/1/3,00	3,00	9,00
RAVEN	36,62	6/1/3,37	3,37	10,11
QUAIL	42,41	6/1/3,78	3,78	11,34
PIGEON	53,49	6/1/4,25	4,25	12,75
PENGUIN	67,43	6/1/4,77	4,77	14,31
PARTRIDGE	85,01	26/2,57 +7/2,00	6,00	16,28
OWL	85,01	6/5,36 +7/1,79	5,37	16,09
WAXWING	85,01	18/1/3,09	3,09	15,47
PIPER	95,60	30/7/2,54	7,62	17,78
OSTRICH	95,60	26/2,73 +7/2,12	6,36	17,28
ORIOLE	107,20	30/7/2,69	8,07	18,83
LINNET	107,20	26/2,89 +7/2,25	6,75	18,31
MERLIN	107,20	18/1/3,47	3,47	17,37
CHICADEE	126,70	18/1/3,77	3,77	18,87
LARK	126,70	30/7/2,92	8,76	20,44
IBIS	126,70	26/3,14 +7/2,44	7,32	19,88
PELICAN	152,00	18/1/4,14	4,14	20,70
FLICKER	152,00	24/3,58 +7/2,39	7,17	21,49
HEN	152,00	30/7/3,20	9,60	22,40
HAWK	152,00	26/3,44 +7/2,68	8,04	21,80
HERON	159,40	30/7/3,28	9,84	22,96

Aluminium Conductor Steel Reinforced-ACSR (South African Standard Sizes)

Conductor Name	Equivalent Copper area	Stranding & Wire dia.	Overall Diameter	Aluminium Area
* 21/3,5	12,8	6/1/2,11	2,11	6,33
* 26/4,4	16,0	6/1/2,36	2,36	7,16
* 37/6,1	22,4	6/1/2,79	2,79	8,45
* 42/7,1	25,8	6/1/3,00	3,00	9,09
* 53/8,8	32,3	6/1/3,35	3,35	10,15
* 63/11	38,5	6/1/3,66	3,66	11,09
105/17	64,0	6/1/4,72	4,72	14,30
105/14	64,0	6/4,75 +7/1,57	4,71	14,29
158/37	96,4	30/7/2,59	7,77	18,31
264/62	161	30/7/3,35	10,05	23,69
429/56	262	54/7/3,18 54/3,95	9,54	28,91
662/84	404	+19/2,37	11,85	35,94

All Aluminium Conductors - AAC (South African Standard Sizes)

Conductor Name	Equivalent Copper area	Stranding & Wire dia.	Overall Diameter	Aluminium Area
25	15,6	7/2,12	6,42	24,7
39	24,3	7/2,65	8,03	38,6
58	36,6	7/3,25	10,15	58,1
100	62,9	7/4,26	12,91	99,8
* 158	99,4	19/3,25	16,92	157,6
271	171,0	19/4,26	21,52	270,8
* 323	203,5	19/4,65	23,49	322,7
* 415	262,0	37/3,78	26,73	415,2
* 527	332,6	37/4,26	30,12	527,4
† 685	431,8	61/3,78	34,36	684,6
* 869	548,3	61/4,26	38,73	869,4

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