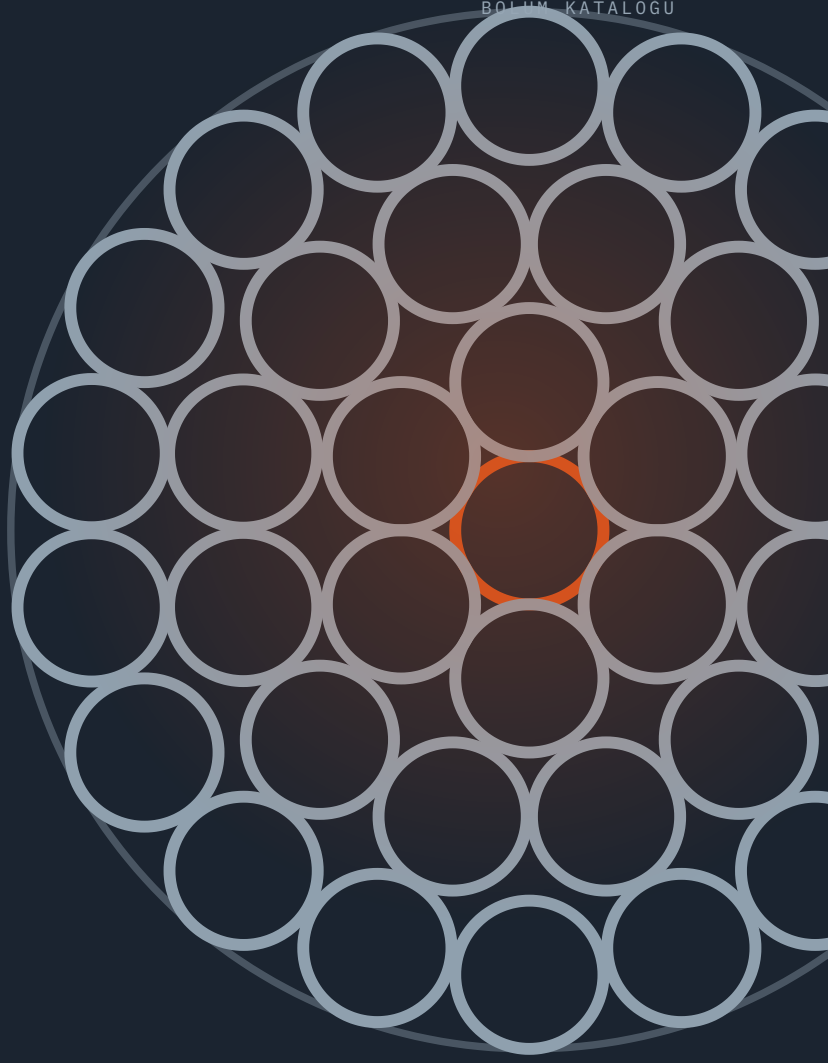




AKZ

ALUMINIUM KOOHRANG ZAGROS

BÖLÜM KATALOĞU



05

ACSR — çelik özlü iletken

Steel-reinforced conductor

ASTM B232

DIN 48204

BS 215

EN 50182

GENEL BAKIŞ

Çelik özlü, gerilim altında uzun açıklıklar için.

Galvanizli çelik öz üzerine sert çekilmiş 1350 alüminyum teller. Mekanik yükü çelik taşır, böylece uzun açıklık ve yüksek gerilim mümkün olur; çelik / alüminyum oranı her hattın açıklık ve yüküne göre seçilir.

ASTM B232 kuş kod adları, yüksek çelikli alt küme, DIN metrik seri ve BS 215 hayvan kod adlarında sunulur.



UYGULAMALAR

Uzun iletim hatları

Yüksek gerilimli
açıklıklar

Ağır yüklü koridorlar

Nehir ve vadi geçişleri

STANDARTLAR

ASTM B232

DIN 48204

BS 215

EN 50182

5.1 · Kuş adı serisi

ASTM B232 · galvanizli çelik öz.

Kod	Kesit mm ²	Al n × mm	Çelik n × mm	Ø mm	Al ağı. kg/km	Çelik ağı. kg/km	DC R Ω/km	Kopma kN
TURKEY	15.52	6 × 1.68	1 × 1.68	5.04	37	17	2.1045	5.28
THRUSH	19.64	6 × 1.89	1 × 1.89	5.67	46	22	1.6628	6.68
SWAN	24.71	6 × 2.12	1 × 2.12	6.36	58	27	1.3216	8.31
SWALLOW	31.14	6 × 2.38	1 × 2.38	7.14	73	35	1.0486	10.21
SPARROW	39.19	6 × 2.67	1 × 2.67	8.01	92	44	0.8332	12.69
ROBIN	49.48	6 × 3.00	1 × 3.00	9.00	116	55	0.6599	15.82
RAVEN	62.44	6 × 3.37	1 × 3.37	10.11	147	69	0.5230	19.36
QUAIL	78.55	6 × 3.78	1 × 3.78	11.34	185	87	0.4157	23.27
PIGEON	99.30	6 × 4.25	1 × 4.25	12.75	234	110	0.3288	29.42
PENGUIN	125.09	6 × 4.77	1 × 4.77	14.31	294	139	0.2610	37.06
WAXWING	142.48	18 × 3.09	1 × 3.09	15.45	372	58	0.2118	30.27
OWL	153.0	6 × 5.36	1 × 1.79	16.09	372	20	0.2078	42.95
PARTRIDGE	156.86	26 × 2.57	7 × 2.00	16.28	374	174	0.2096	50.24
OSTRICH	176.89	26 × 2.73	7 × 2.12	17.28	422	195	0.1858	56.56
MERLIN	179.68	18 × 3.47	1 × 3.47	17.35	470	74	0.1679	38.18
LINNET	198.38	26 × 2.89	7 × 2.25	18.31	473	217	0.1658	62.77
ORIOLE	210.27	30 × 2.69	7 × 2.69	18.83	474	311	0.1645	77.44
CHICKADEE	212.09	18 × 3.77	1 × 3.77	18.85	554	87	0.1423	43.37
BRANT	227.68	24 × 3.27	7 × 2.18	19.61	559	204	0.1409	64.73
IBIS	234.06	26 × 3.14	7 × 2.44	19.88	558	256	0.1404	72.07
LARK	247.77	30 × 2.92	7 × 2.92	20.44	557	366	0.1393	90.31
PELICAN	255.76	18 × 4.14	1 × 4.14	20.70	669	105	0.1180	52.31
FLICKER	272.98	24 × 3.58	7 × 2.39	21.49	670	245	0.1176	75.68
HAWK	281.12	26 × 3.44	7 × 2.68	21.80	670	308	0.1170	86.74
HEN	297.56	30 × 3.20	7 × 3.20	22.40	671	440	0.1162	105.18
OSPREY	298.16	18 × 4.47	1 × 4.47	22.35	779	122	0.1012	60.98
PARAKEET	318.89	24 × 3.87	7 × 2.58	23.22	783	286	0.1006	88.30
DOVE	328.49	26 × 3.72	7 × 2.89	23.55	783	359	0.1000	101.12
EAGLE	347.88	30 × 3.46	7 × 3.46	24.21	784	514	0.0994	122.97
PEACOCK	345.91	24 × 4.03	7 × 2.69	24.20	849	311	0.0928	95.88
SQUAB	355.62	26 × 3.87	7 × 3.01	24.51	848	389	0.0902	108.16
WOOD DUCK	378.70	30 × 3.61	7 × 3.61	25.25	853	560	0.0913	129.05
TEAL	376.67	30 × 3.61	19 × 2.16	25.24	853	545	0.0914	133.39
KINGBIRD	340.95	18 × 4.78	1 × 4.78	23.88	891	140	0.0885	69.74
ROOK	364.94	24 × 4.14	7 × 2.76	24.84	896	327	0.0879	101.06
GROSBEAK	374.33	26 × 3.97	7 × 3.09	25.15	892	410	0.0878	111.89
SCOTER	397.82	30 × 3.70	7 × 3.09	25.88	897	588	0.0869	135.56
EGRET	396.10	30 × 3.70	19 × 2.22	25.90	897	576	0.0870	140.62
FLAMINGO	380.98	24 × 4.23	7 × 2.82	25.40	935	341	0.0842	105.50
GANNET	393.15	26 × 4.07	7 × 3.16	25.76	938	429	0.0836	117.28
CROW	408.48	54 × 2.92	7 × 2.92	26.28	1003	366	0.0785	115.21

5.1 · Kuş adı serisi (devam)

(devam)

Kod	Kesit mm ²	Al n × mm	Çelik n × mm	Ø mm	Al ağı. kg/km	Çelik ağı. kg/km	DC R Ω/km	Kopma kN
STILT	410.12	24 × 4.39	7 × 2.92	26.31	1007	366	0.0782	113.36
STARLING	421.07	26 × 4.21	7 × 3.28	26.68	1003	462	0.0781	125.97
FINCH	637.58	54 × 3.65	19 × 2.19	32.85	1574	560	0.0505	174.64
BUNTING	647.62	45 × 4.14	7 × 2.76	33.12	1680	327	0.0473	142.44
GRACKLE	679.66	54 × 3.77	19 × 2.27	33.97	1679	602	0.0473	184.22
BITTERN	689.04	45 × 4.27	7 × 2.85	34.17	1787	349	0.0445	151.66
PHEASANT	726.77	54 × 3.90	19 × 2.34	35.10	1797	639	0.0442	194.16
DIPPER	731.09	45 × 4.40	7 × 2.92	35.16	1897	366	0.0419	160.37
MARTIN	772.04	54 × 4.02	19 × 2.41	36.17	1910	678	0.0416	206.12
BOBOLINK	775.39	45 × 4.53	7 × 3.02	36.24	2011	392	0.0395	170.55
PLOVER	818.67	54 × 4.14	19 × 2.48	37.24	2025	718	0.0393	218.44
NUTHATCH	817.01	45 × 4.65	7 × 3.10	37.20	2119	413	0.0375	177.67
PARROT	863.07	54 × 4.25	19 × 2.55	38.25	2134	759	0.0372	230.57
LAPWING	859.72	45 × 4.77	7 × 3.18	38.16	2230	434	0.0356	186.95
FALCON	908.63	54 × 4.36	19 × 2.62	39.26	2246	802	0.0354	243.04
CHUKAR	976.69	84 × 3.70	19 × 2.22	40.70	2516	576	0.0318	227.83

ASTM B232 · galvanizli çelik üzerine 1350-H19 alüminyum. Ağırlıklar alüminyum / çelik olarak ayrılmıştır.

5.2 · Yüksek çelikli ("D") alt küme

ASTM B232 · çok uzun açıklıklar için daha yüksek çelik oranı.

Kod	Kesit mm ²	Al n × mm	Çelik n × mm	Ø mm	Al ağı. kg/km	Çelik ağı. kg/km	DC R Ω/km	Kopma kN
GROUSE	54.65	8 × 2.54	1 × 4.24	9.32	112	110	0.6758	22.87
PETREL	81.71	12 × 2.34	7 × 2.34	11.71	143	236	0.5544	46.16
MINORCA	88.84	12 × 2.44	7 × 2.44	12.22	156	256	0.5099	50.19
LEGHORN	107.98	12 × 2.69	7 × 2.69	13.46	189	312	0.4195	60.68
GUINEA	127.23	12 × 2.92	7 × 2.92	14.63	223	367	0.3560	71.12
DOTTEREL	141.56	12 × 3.08	7 × 3.08	15.42	248	408	0.3200	76.69
DORKING	152.80	12 × 3.20	7 × 3.20	16.03	268	441	0.2964	82.78
COCHIN	169.47	12 × 3.37	7 × 3.37	16.84	297	489	0.2673	91.81
BRAHMA	194.56	16 × 2.86	19 × 2.48	18.14	285	720	0.2798	126.55

5.3 · Metrik seri

DIN 48204 / EN 50182.

Al/Çelik	Al n × mm	Çelik n × mm	Ø mm	Al ağı. kg/km	Çelik ağı. kg/km	DC R Ω/km	Kopma kN
16/2.5	6 × 1.80	1 × 1.80	5.40	42	20	1.8332	5.58
25/4	6 × 2.25	1 × 2.25	6.80	65	31	1.1732	8.56
35/6	6 × 2.70	1 × 2.70	8.10	94	45	0.8147	12.06
44/32	14 × 2.00	7 × 2.40	11.20	121	248	0.5932	43.20
50/8	6 × 3.20	1 × 3.20	9.60	132	63	0.5800	16.32
50/30	12 × 2.33	7 × 2.33	11.70	141	234	0.5189	42.27
70/12	26 × 2.85	7 × 1.44	11.70	193	89	0.4032	25.26
95/15	26 × 2.15	7 × 1.67	13.60	260	120	0.2986	33.42
95/55	12 × 3.20	7 × 3.20	16.00	266	441	0.2751	76.21
105/75	14 × 3.10	19 × 2.25	17.50	292	594	0.2471	101.67
120/20	26 × 2.44	7 × 1.90	15.50	335	156	0.2318	42.70
120/70	12 × 3.60	7 × 3.60	18.00	337	558	0.2174	93.51
125/30	30 × 2.33	7 × 2.33	16.10	353	234	0.2182	55.47
150/25	26 × 2.70	7 × 2.10	17.10	411	190	0.1893	51.65
170/40	30 × 2.70	7 × 2.70	18.90	474	314	0.1625	73.17

5.4 · Hayvan adı serisi

BS 215 / EN 50182.

Kod	Kesit mm ²	Al n × mm	Çelik n × mm	Ø mm	Al ağı. kg/km	Çelik ağı. kg/km	DC R Ω/km	Kopma kN
MOLE	12.37	6 × 1.50	1 × 1.50	4.50	29	14	2.6398	4.13
SQUIRREL	24.48	6 × 2.11	1 × 2.11	6.33	58	27	1.3341	7.90
GOPHER	30.62	6 × 2.36	1 × 2.36	7.08	72	34	1.0664	9.61
WEASEL	36.88	6 × 2.59	1 × 2.59	7.77	87	41	0.8854	11.35
FOX	42.79	6 × 2.79	1 × 2.79	8.37	101	48	0.7630	13.17
FERRET	49.48	6 × 3.00	1 × 3.00	9.00	116	55	0.6599	15.23
RABBIT	61.70	6 × 3.35	1 × 3.35	10.05	145	69	0.5292	18.37
MINK	73.64	6 × 3.66	1 × 3.66	10.98	173	82	0.4434	21.80
SKUNK	100.10	12 × 2.59	7 × 2.59	12.95	175	288	0.4200	52.74
BEAVER	87.52	6 × 3.99	1 × 3.99	11.97	206	97	0.3730	25.76
HORSE	116.16	12 × 2.79	7 × 2.79	13.95	203	334	0.3619	61.19
RACCOON	92.42	6 × 4.10	1 × 4.10	12.30	217	103	0.3533	27.20
OTTER	97.90	6 × 4.22	1 × 4.22	12.66	230	109	0.3335	28.82
CAT	111.33	6 × 4.50	1 × 4.50	13.50	262	124	0.2933	32.76
HARE	122.48	6 × 4.72	1 × 4.72	14.16	288	136	0.2666	35.94
DOG	118.53	6 × 4.72	7 × 1.57	14.15	288	106	0.2681	32.69
HYENA	126.43	7 × 4.39	7 × 1.93	14.57	291	160	0.2631	41.13
LEOPARD	148.21	6 × 5.28	7 × 1.75	15.81	360	132	0.2143	40.77
COYOTE	151.80	26 × 2.54	7 × 1.91	15.89	364	102	0.2144	45.93
COUGAR	138.81	18 × 3.05	1 × 3.05	15.25	362	57	0.2171	30.56
TIGER	161.85	30 × 2.36	7 × 2.36	16.52	363	239	0.2127	58.02
– (18/1)	167.46	18 × 3.35	1 × 3.35	16.75	437	69	0.1800	33.93
WOLF	194.93	30 × 2.59	7 × 2.59	18.13	437	288	0.1766	69.24
– (18/1)	194.47	18 × 3.61	1 × 3.61	18.05	508	80	0.1550	39.06
LYNX	226.20	30 × 2.79	7 × 2.79	19.53	507	334	0.1522	79.80
– (18/1)	222.33	18 × 3.86	1 × 3.86	19.30	580	91	0.1355	44.26
PANTHER	261.53	30 × 3.00	7 × 3.00	21.00	586	387	0.1316	92.26
LION	293.85	30 × 3.18	7 × 3.18	22.26	658	435	0.1171	100.49
BEAR	326.11	30 × 3.35	7 × 3.35	23.45	731	482	0.1055	111.26
GOAT	399.97	30 × 3.71	7 × 3.71	25.97	896	591	0.0861	135.80
ANTELOPE	422.59	54 × 2.97	7 × 2.97	26.73	1015	379	0.0744	118.53
BISON	431.17	54 × 3.00	7 × 3.00	27.00	1036	387	0.0729	118.95
SHEEP	462.62	30 × 3.99	7 × 3.99	27.93	1036	684	0.0744	156.32
ZEBRA	484.46	54 × 3.18	7 × 3.18	28.62	1164	435	0.0649	131.94
DEER	529.83	30 × 4.27	7 × 4.27	29.89	1187	783	0.0649	178.60
CAMEL	537.65	54 × 3.35	7 × 3.35	30.15	1292	482	0.0585	145.95
ELK	588.44	30 × 4.50	7 × 4.50	31.50	1318	870	0.0585	198.36
MOOSE	596.98	54 × 3.53	7 × 3.53	31.77	1434	535	0.0527	161.00

BS 215 / EN 50182. "– (18/1)" satırları kaynakta adsız 18/1 yapılarıdır – biliniyorsa BS kod adını girin.

**AKZ**

ALUMINIUM KOOHRANG ZAGROS

TÜM YELPAZEYİ KEŞFEDİN**01 Alüminyum ve alaşım
filmaşın**Aluminium &
alloy rod**03 AAC** All-aluminium conductor**06 ACSR-AW** Alloy-clad-steel reinforced**08 Messenger** Alloy messenger conductor**02 Alüminyum
kaynak teli**Aluminium welding wire —
ER4043**04 AAAC** All-aluminium-alloy conductor**07 OPGW** Optical ground wire

GENEL MERKEZ — TAHRAN

No. 26, 35. Sk., Alvand Cd.,
Arjantin Meydanı, Tahran, İran

+98 21 8867 0038

info@alumzagros.com · www.alumzagros.com

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Farrokhshahr sanayi bölgesi,
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TAVANIR

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