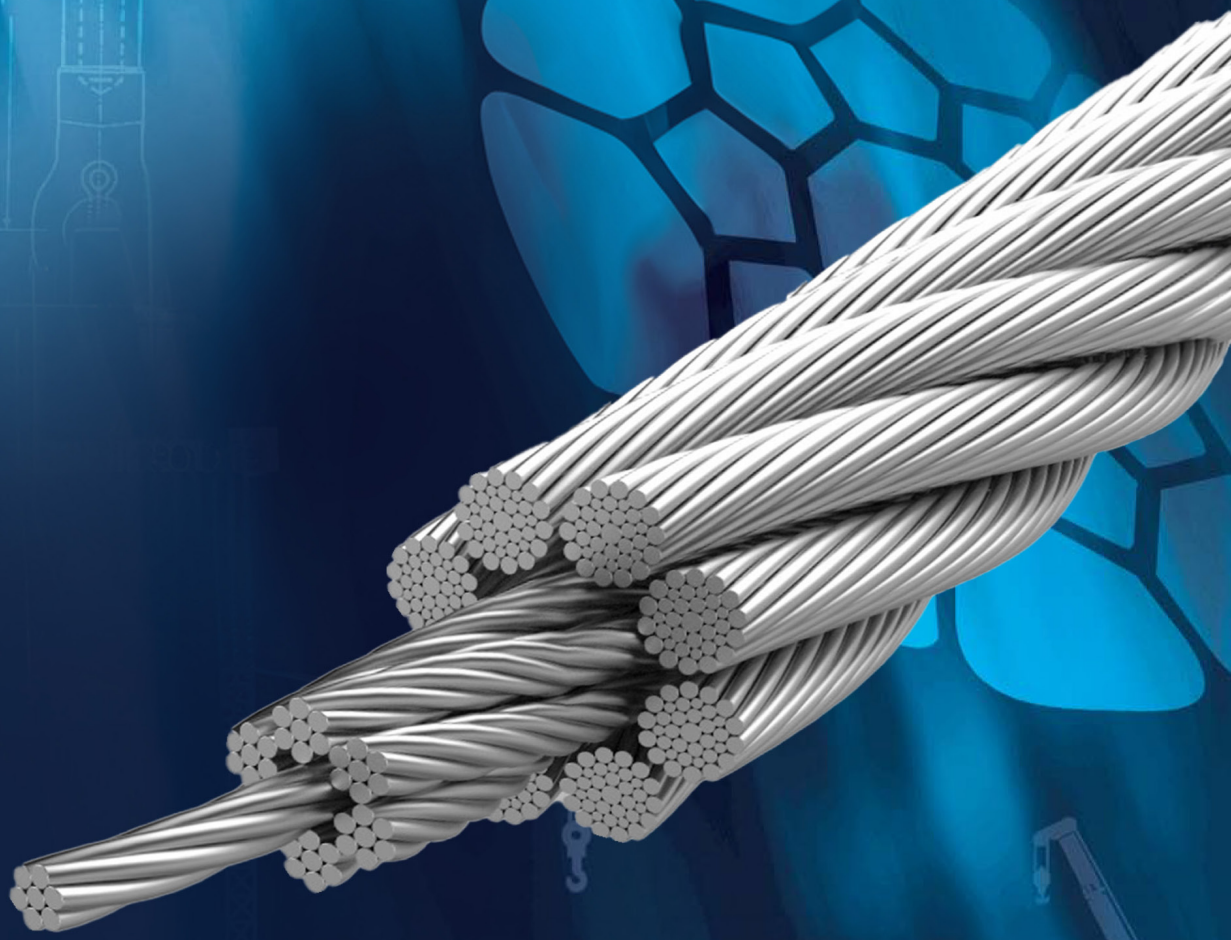
SAHİNLER
GRUP

Şahinler Çelik Halat

STEEL WIRE ROPE



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Şahinler Çelik Halat

HAKKIMIZDA

Fabrika 1/ Factory 1

2021 yılı sonlarında temeli atılan, 2022 yılı içerisinde imalat yolculuğuna başlayan ŞAHİNLER ÇELİK HALAT, metal sektöründe 50 yılı aşkın süredir deneyimi olan ve Türkiye'nin ilk 500 sanayi kuruluşu içerisinde kendisine sürekli yer bulan ŞAHİNLER GRUP'umuzun yeni yatırımıdır. Yenilikçi yaklaşımlarla dünya standartlarında ürünler üretmeyi ve markalaşmayı kendisine hedef belirleyen markamız, 150mm'e kadar halat üretim kabiliyetine sahip Türkiye'nin ilk ve tek çelik halat kuruluşudur. ŞAHİNLER GRUP şirketlerinin temeli "Dürüstlük", "Güven" ve "Samimiyet" ilkeleri üzerine kurulmuştur. Böylelikle; en yeni markamız çelik halat sektöründe de hızlıca adından söz ettirmeyi başarmış ve heyecan uyandırmıştır. Tecrübeyi yenilikçi anlayışla harmanlayarak ve gelişimci yönetim yapısıyla birlikte hedefi en üst noktalarda belirleyerek, kısa zamanda bu hedefleri başarma yolunda emin adımlarla ilerlemiş ve ilerlemeye devam etmektedir.

Firmamız Çok Telli Çelik Halatlar, Endüstriyel ve Yaylık Çelik Teller, Monotron Halatlar, Topraklama Telleri, ACSR Çelik Özler ile birlikte Zırh Telleri imalatı yapmaktadır.

• ÇELİK HALATLAR:

TS EN 12385 Standartlarında 8 mm ila 150 mm arası çok geniş bir üretim yelpazesine sahiptir. Vinç Halatları, Denizcilik Halatları, Asansör Halatları, Madencilik Halatları, Sondaj Halatları, Teleferik Halatları, Balıkçılık Halatları, Ormancılık Halatları, Özel Proje Halatları, Dönmez Halatlar, Swage Halatlar, Compact Halatlar, Plastik Dolgulu Yüksek Mukavemetli yeni nesil halatlar imal etmektedir.

• ENDÜSTRİYEL VE YAYLIK ÇELİK TELLER:

TS EN 10270-1 Standartlarında, Otomotiv Yan Sanayi, Beyaz Eşya Yan Sanayi, Endüstriyel Tarım, Endüstriyel Sanayi, Mobilya ve Tekstil gibi birçok sektörde kullanılan çelik telleri fosfat kaplı ve galvaniz kaplı olarak imal etmektedir. 0,30 mm'den 13 mm' e kadar üretim kabiliyetine sahiptir.

• MONOTRON HALATLAR:

Havai Tip Telekom Kabloları, Tarım ve Sera Uygulamaları, Otomotiv Yan Sanayi, Mimari ve Peyzaj Düzenlemeleri vb. birçok alanda kullanılan Monotron halatların imalatı istenilen konstrüksiyonlarda ve çaplarda imal edilmektedir.

• TOPRAKLAMA TELLERİ:

Enerji İletim Hatları ile birlikte, bina ve fabrika topraklamalarında kullanılan ürünlerin, TS EN 50182, TS EN 50189, TS EN 63284, ASTM B 498, ASTM A 475 veya müşteri şartnamelerine göre Monotel, 1x7, 1x19, 1x37 ve 1x61 konstrüksiyonlarda imalatları yapılmaktadır.

• ACSR ÇELİK ÖZLER & ZIRH TELLERİ:

TS EN 50182, TS EN 50189, TS EN 63284, ASTM B 498, ASTM A 475 veya müşteri şartnamelerine göre ACSR tek tel veya 1x7, 1x19, 1x37 ve 1x61 konstrüksiyonlarda imalatlar yapılmaktadır. Zırh Tellerinde ise BS5467 ve BS6724 kablo standartlarına uygun ürün imalatları yapılmaktadır.

ABOUT US

Fabrika 2/ Factory 2

SAHINLER CELIK HALAT started to be laid at the end of 2021 and began its production journey in 2022. It stands out as the new investment of SAHINLER GROUP, which has more than 50 years of experience in the metal industry and has constantly maintains its place among Turkey's top 500 industrial enterprises. Our brand sets itself the goal of producing world standard products by branding with innovative approaches. SAHINLER CELIK HALAT is the first and only manufacturer which has up to 150mm steel wire rope production capability in Turkey. SAHINLER GROUP companies based on the principles of "Honesty", "Trust" and "Sincerity''. Thus, our newest brand has managed rapidly mention its name in the wire rope sector as well and aroused excitement. By blending experience with innovative understanding and determining the target at the highest points together with the developmental management structure, we take firm steps towards achieving these goals in a short time and proceed to progress.

Our company manufactures Multi Strand Wire Ropes, Industrial Steel Wires, Monotron Ropes, Earthing Wires, ACSR Steel Cores and Armour Wires.

• STEEL WIRE ROPES:

It has a wide range of production from 8 mm to 150 mm in TS EN 12385 Standards. Crane Ropes, Marine Ropes, Elevator Ropes, Mining Ropes, Drilling Ropes, Ropeway Ropes, Fishing Ropes, Forestry Ropes, Special Project Ropes, Non-Rotating Rope, Swage Ropes, Compact Ropes, Plastic Filled High Strength new generation ropes are manufactured.

• INDUSTRIAL AND SPRING STEEL WIRES:

In TS EN 10270-1 Standards, steel wires are used in many sectors such as Automotive Supply Industry, White Goods Supply Industry, Industrial Agriculture, Industrial Industry, Furniture and Textile are manufactured as phosphate coated and galvanised. It has production capability from 0.30 mm to 13 mm.

• MONOTRON ROPES:

Monotron ropes are used in many areas such as Overhead Telecom Cables, Agriculture and Greenhouse Applications, Automotive Sub-Industry, Architectural and Landscaping Arrangements etc. Are manufactured in desired constructions and diameters.

• EARTHING WIRES:

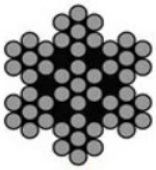
Along with Energy Transmission Lines, the products are used in building and factory grounding are manufactured in Monotel, 1x7, 1x19, 1x37 and 1x61 constructions according to TS EN 50182, TS EN 50189, TS EN 63284, ASTM B 498, ASTM A 475 or customer specifications.

• ACSR STEEL CORES & ARMOUR WIRES:

We manufacture ACSR single wire or 1x7, 1x19, 1x37 and 1x61 constructions according to TS EN 50182, TS EN 50189, TS EN 63284, ASTM B 498, ASTM A 475 or customer specifications. In Armour Wires, galvanised products are manufactured according to BS5467 and BS6724 cable standards.

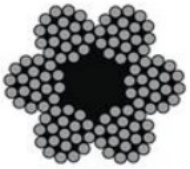
Const.	6x7 M
Min. & Max. Dia	8 mm - 40 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US

Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.221	38	42	46
9		0.280	48	53	58
10		0.346	59	65	72
11		0.418	71	79	87
12		0.498	85	94	103
13		0.584	99	110	121
14		0.677	115	128	141
15		0.778	132	146	161
16		0.885	150	167	184
17		0.999	170	188	207
18		1.120	190	211	232
19		1.247	212	235	259
20		1.382	235	260	287
21		1.524	259	287	316
22		1.672	284	315	347
24		1.990	338	375	413
26		2.336	397	440	485
28		2.709	461	510	562
32		3.538	602	666	734
34		3.995	679	752	829
46		4.478	762	843	929
40		5.529	940	1040	1146

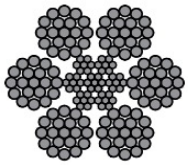


Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.247	41	45	50
9		0.312	51	57	63
10		0.386	64	70	78
11		0.467	77	85	94
12		0.555	92	101	112
13		0.652	107	119	131
14		0.756	125	138	152
15		0.868	143	158	174
16		0.987	163	180	199
17		1.114	184	203	224
18		1.249	206	228	251
19		1.392	229	254	280
20		1.542	254	281	310
21		1.700	280	310	342
22		1.866	308	341	375
24		2.221	366	405	447
26		2.606	430	476	524
28		3.023	498	552	608
32		3.948	651	721	794
34		4.457	735	813	896
46		4.997	824	912	1005
40		6.169	1017	1130	1245

Const.	6x19 M
Min. & Max. Dia	8 mm - 60 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US

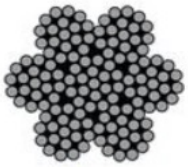


Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.221	35	39	42
9		0.280	44	49	54
10		0.346	54	60	66
11		0.418	66	73	80
12		0.498	78	87	95
13		0.584	92	102	112
14		0.677	107	118	130
15		0.778	122	135	149
16		0.885	139	154	170
17		0.999	157	174	192
18		1.120	176	195	215
19		1.247	196	217	239
20		1.382	217	241	265
21		1.524	240	265	292
22		1.672	263	291	321
24		1.990	313	347	382
26		2.336	367	407	448
28		2.709	426	472	520
32		3.538	556	616	679
36		4.478	704	780	859
38		4.990	785	869	958
40		5.529	869	963	1061
44		6.690	1052	1165	1284
48		7.962	1252	1386	1528
52		9.344	1469	1627	1793
56		10.837	1704	1887	2080
60		12.440	1956	2166	2387



Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.244	38	42	46
9		0.309	48	53	58
10		0.381	59	65	72
11		0.461	71	79	87
12		0.549	85	94	103
13		0.644	99	110	121
14		0.747	115	128	141
15		0.858	132	146	161
16		0.976	150	167	184
17		1.101	170	188	207
18		1.235	190	211	232
19		1.376	212	235	259
20		1.524	235	260	287
21		1.681	259	287	316
22		1.845	284	315	347
24		2.195	338	375	413
26		2.576	397	440	485
28		2.988	461	510	562
32		3.903	602	666	734
36		4.939	762	843	929
38		5.503	849	940	1036
40		6.098	940	1041	1147
44		7.378	1138	1260	1388
48		8.781	1354	1499	1652
52		10.305	1589	1760	1939
56		11.952	1843	2041	2249
60		13.720	2116	2343	2582

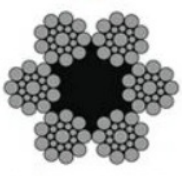
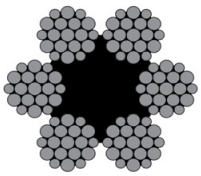
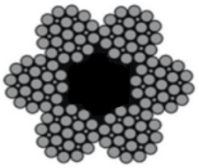
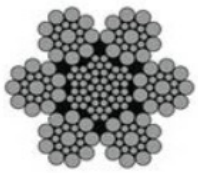
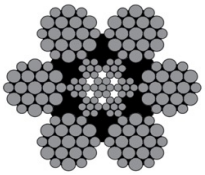
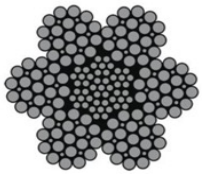
Const.	7x19 M
Min. & Max. Dia	8 mm - 60 mm
Core	WSC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US



Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.244	41	45	50
9		0.309	52	57	63
10		0.381	64	71	78
11		0.461	78	86	95
12		0.549	92	102	113
13		0.644	108	120	132
14		0.747	126	139	153
15		0.858	144	160	176
16		0.976	164	182	200
17		1.101	185	205	226
18		1.235	208	230	253
19		1.376	231	256	282
20		1.524	256	284	313
21		1.681	283	313	345
22		1.845	310	343	378
24		2.195	369	409	450
26		2.576	433	480	529
28		2.988	502	556	613
32		3.903	656	727	801
36		4.939	830	920	1013
38		5.503	925	1025	1129
40		6.098	1025	1135	1251
44		7.378	1240	1374	1514
48		8.781	1476	1635	1802
52		10.305	1733	1919	2114
56		11.952	2009	2225	2452
60		13.720	2307	2554	2815

Const.	6x19 S-W-F
Min. & Max. Dia	8 mm - 60 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US

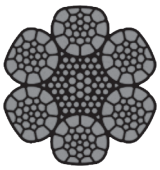
Cons.	1770 Min. Dia (MM)	1770 Max. Dia (MM)	1960 Min. Dia (MM)	1960 Max. Dia (MM)	2160 Min. Dia (MM)	2160 Max. Dia (MM)
6 x 19 S	8	100	8	80	8	60
6 x 19 W	8	110	8	86	8	66
6 x 19 F	8	90	8	74	8	56

Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.229	37	41	46
9		0.290	47	52	58
10		0.358	58	65	71
11		0.434	71	78	86
12		0.516	84	93	103
13		0.606	99	109	120
14		0.702	114	127	140
15		0.806	131	146	160
16		0.917	150	166	182
17		1.036	169	187	206
18		1.161	189	210	231
19		1.294	211	233	257
20		1.433	234	259	285
21		1.580	258	285	314
22		1.734	283	313	345
24		2.064	336	373	411
26		2.422	395	437	482
28		2.809	458	507	559
32		3.669	598	662	730
36		4.644	757	838	924
40		5.733	935	1035	1140
44		6.937	1131	1252	1380
48		8.256	1346	1490	1642
52		9.689	1579	1749	1927
54		10.449	1703	1886	2079
60		12.900	2103	2328	2566

Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.256	40	45	49
9		0.324	51	57	62
10		0.400	63	70	77
11		0.484	76	84	93
12		0.576	91	100	111
13		0.676	106	118	130
14		0.784	124	137	151
15		0.900	142	157	173
16		1.024	161	179	197
17		1.156	182	202	222
18		1.296	204	226	249
19		1.444	227	252	278
20		1.600	252	279	308
21		1.764	278	308	339
22		1.936	305	338	372
24		2.304	363	402	443
26		2.704	426	472	520
28		3.136	494	547	603
32		4.096	645	715	787
36		5.184	817	904	997
40		6.400	1008	1116	1230
44		7.744	1220	1351	1489
48		9.216	1452	1608	1772
52		10.816	1704	1887	2079
54		11.664	1837	2035	2242
60		14.400	2268	2512	2768

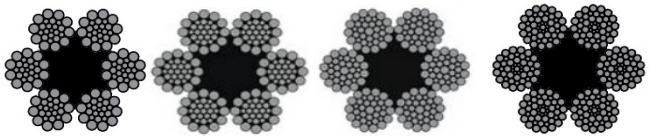
Const.	6x19 PREMIUM SWAGE
Min. & Max. Dia	8 mm - 60 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US Regular Swage

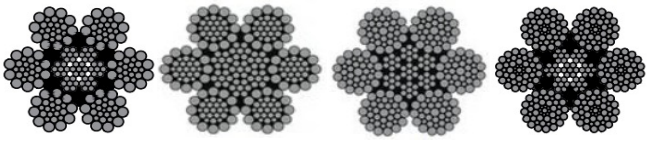


Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+6 0	0.340	52	57	63
9		0.430	65	72	80
10		0.531	81	89	98
11		0.643	98	108	119
12		0.765	116	129	142
13		0.898	136	151	166
14		1.041	158	175	193
16		1.360	206	229	252
18		1.721	261	289	319
20		2.125	322	357	394
22	+5 0	2.571	390	432	476
24		3.060	464	514	567
26		3.591	545	604	665
28		4.165	632	700	771
30		4.781	726	804	885
32		5.440	826	914	1007
34		6.141	932	1032	1137
36		6.885	1045	1157	1275
38		7.671	1164	1289	1421
40		8.500	1290	1428	1574

Const.	6x26-6x31-6x36-6x41-6x49 WS
Min. & Max. Dia	8 mm - 150 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US

Cons.	1770 Min. Dia (MM)	1770 Max. Dia (MM)	1960 Min. Dia (MM)	1960 Max. Dia (MM)	2160 Min. Dia (MM)	2160 Max. Dia (MM)
6 x 26	8	100	8	80	8	60
6 x 31	8	110	8	90	8	70
6 x 36	8	125	8	100	8	80
6 x 41	32	140	32	110	32	90
6 x 49	32	150	32	110	32	90

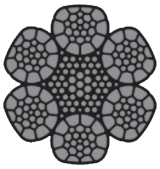




Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.229	37	41	46
9		0.290	47	52	58
10		0.358	58	65	71
11		0.434	71	78	86
12		0.516	84	93	103
13		0.606	99	109	120
14		0.702	114	127	140
15		0.806	131	146	160
16		0.917	150	166	182
17		1.036	169	187	206
18		1.161	189	210	231
19		1.294	211	233	257
20		1.433	234	259	285
21		1.580	258	285	314
22		1.734	283	313	345
24		2.064	336	373	411
26		2.422	395	437	482
28		2.809	458	507	559
32		3.669	598	662	730
36		4.644	757	838	924
40		5.733	935	1035	1140
44		6.937	1131	1252	1380
48		8.256	1346	1490	1642
52		9.689	1579	1749	1927
56		11.237	1832	2028	2235
60		12.900	2103	2328	2566
70		17.558	2862	3169	3493
80		22.933	3738	4140	4562
90		29.025	4731	5239	5774
100		35.833	5841	6468	7128

Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.256	40	45	49
9		0.324	51	57	62
10		0.400	63	70	77
11		0.484	76	84	93
12		0.576	91	100	111
13		0.676	106	118	130
14		0.784	124	137	151
15		0.900	142	157	173
16		1.024	161	179	197
17		1.156	182	202	222
18		1.296	204	226	249
19		1.444	227	252	278
20		1.600	252	279	308
21		1.764	278	308	339
22		1.936	305	338	372
24		2.304	363	402	443
26		2.704	426	472	520
28		3.136	494	547	603
32		4.096	645	715	787
36		5.184	817	904	997
40		6.400	1008	1116	1230
44		7.744	1220	1351	1489
48		9.216	1452	1608	1772
52		10.816	1704	1887	2079
56		12.544	1976	2188	2411
60		14.400	2268	2512	2768
70		19.600	3088	3419	3768
80		25.600	4033	4466	4921
90		32.400	5104	5652	6229
100		40.000	6301	6978	7690

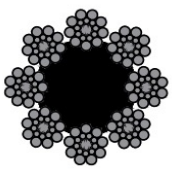
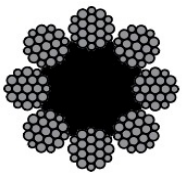
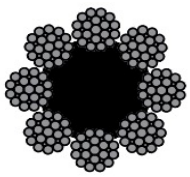
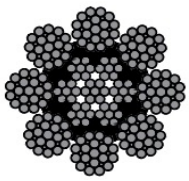
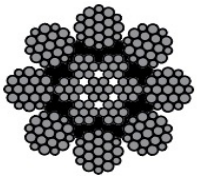
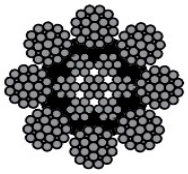
Const.	6x26 PREMIUM SWAGE
Min. & Max. Dia	8 mm - 40 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US Regular Swage



Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.340	52	57	63
9		0.430	65	72	80
10		0.531	81	89	98
11		0.643	98	108	119
12		0.765	116	129	142
13		0.898	136	151	166
14		1.041	158	175	193
16		1.360	206	229	252
18		1.721	261	289	319
20		2.125	322	357	394
22		2.571	390	432	476
24		3.060	464	514	567
26		3.591	545	604	665
28		4.165	632	700	771
30		4.781	726	804	885
32		5.440	826	914	1007
34		6.141	932	1032	1137
36		6.885	1045	1157	1275
38		7.671	1164	1289	1421
40		8.500	1290	1428	1574

Const.	8x19 S-W-F
Min. & Max. Dia	8 mm - 60 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US

Cons.	1770 Min. Dia (MM)	1770 Max. Dia (MM)	1960 Min. Dia (MM)	1960 Max. Dia (MM)	2160 Min. Dia (MM)	2160 Max. Dia (MM)
8 x 19 S	8	110	8	90	8	65
8 x 19 W	8	120	8	95	8	75
8 x 19 F	8	130	8	105	8	80

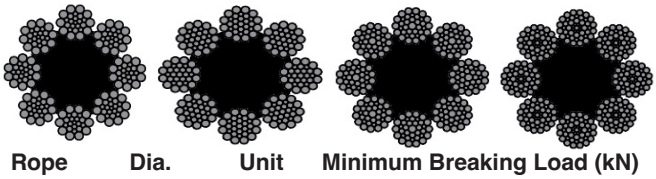







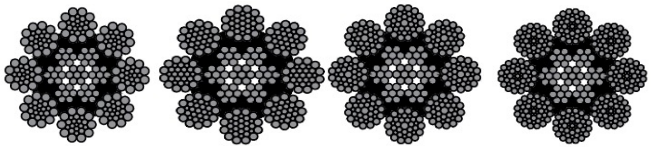
Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.218	33	37	41
9		0.275	42	47	51
10		0.340	52	57	63
11		0.411	63	69	77
12		0.489	75	83	91
13		0.574	88	97	107
14		0.665	102	113	124
15		0.764	117	129	142
16		0.869	133	147	162
17		0.981	150	166	183
18		1.100	168	186	205
19		1.226	187	207	228
20		1.358	207	230	253
21		1.497	229	253	279
22		1.643	251	278	306
24		1.956	299	331	365
26		2.295	351	388	428
28		2.662	407	450	496
30		3.056	467	517	570
32		3.477	531	588	648
34		3.925	600	664	732
36		4.400	672	744	820
40		5.432	830	919	1013
44		6.573	1004	1112	1225
48		7.822	1195	1323	1458
52		9.180	1402	1553	1711
56		10.647	1626	1801	1985
60		12.222	1867	2067	2278

Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.260	40	45	49
9		0.330	51	57	62
10		0.407	63	70	77
11		0.493	76	84	93
12		0.587	91	100	111
13		0.689	106	118	130
14		0.799	124	137	151
15		0.917	142	157	173
16		1.043	161	179	197
17		1.177	182	202	222
18		1.320	204	226	249
19		1.471	227	252	278
20		1.630	252	279	308
21		1.797	278	308	339
22		1.972	305	338	372
24		2.347	363	402	443
26		2.754	426	472	520
28		3.194	494	547	603
30		3.667	567	628	692
32		4.172	645	715	787
34		4.710	728	807	889
36		5.280	817	904	997
40		6.519	1008	1116	1230
44		7.887	1220	1351	1489
48		9.387	1452	1608	1772
52		11.016	1704	1887	2079
56		12.776	1976	2188	2411
60		14.667	2268	2512	2768

Const.	8x26-8x31-8x36-8x41-8x49 WS
Min. & Max. Dia	10 mm - 150 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US

Cons.	1770 Min. Dia (MM)	1770 Max. Dia (MM)	1960 Min. Dia (MM)	1960 Max. Dia (MM)	2160 Min. Dia (MM)	2160 Max. Dia (MM)
8 x 26	10	110	10	90	10	70
8 x 31	10	120	10	100	10	80
8 x 36	10	130	10	110	10	90
8 x 41	32	150	32	120	32	100
8 x 49	32	150	32	120	32	100

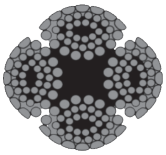




Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
10	+5 0	0.340	52	57	63
11		0.411	63	69	77
12		0.490	75	83	91
13		0.575	88	97	107
14		0.666	102	113	124
15		0.765	117	129	142
16		0.870	133	147	162
17		0.983	150	166	183
18		1.102	168	186	205
19		1.227	187	207	228
20		1.360	207	230	253
21		1.499	229	253	279
22		1.646	251	278	306
24		1.958	299	331	365
26		2.298	351	388	428
28		2.666	407	450	496
30		3.060	467	517	570
32		3.482	531	588	648
34		3.930	600	664	732
36		4.406	672	744	820
38		4.910	749	829	914
40		5.440	830	919	1013
42		5.998	915	1013	1116
44		6.582	1004	1112	1225
48		7.834	1195	1323	1458
52		9.194	1402	1553	1711
56		10.662	1626	1801	1985
60		12.240	1867	2067	2278

Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
10	+5 0	0.407	63	70	77
11		0.492	76	84	93
12		0.586	91	100	111
13		0.688	106	118	130
14		0.798	124	137	151
15		0.916	142	157	173
16		1.042	161	179	197
17		1.176	182	202	222
18		1.319	204	226	249
19		1.469	227	252	278
20		1.628	252	279	308
21		1.795	278	308	339
22		1.970	305	338	372
24		2.344	363	402	443
26		2.751	426	472	520
28		3.191	494	547	603
30		3.663	567	628	692
32		4.168	645	715	787
34		4.705	728	807	889
36		5.275	817	904	997
38		5.877	910	1008	1110
40		6.512	1008	1116	1230
42		7.179	1112	1231	1356
44		7.880	1220	1351	1489
48		9.377	1452	1608	1772
52		11.005	1704	1887	2079
56		12.764	1976	2188	2411
60		14.652	2268	2512	2768

Const.	4x39 SES
Min. & Max. Dia	20 mm - 38 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US

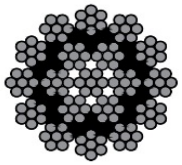


Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
20		1.630	232	257	283
22		1.972	281	311	343
24		2.347	334	370	408
26		2.755	392	435	479
28		3.195	455	504	555
30		3.668	523	579	638
32		4.173	594	658	725
33.50		4.573	652	721	795
34		4.711	671	743	819
35		4.992	711	788	868
35.50		5.136	732	810	893
36		5.281	752	833	918
38		5.884	838	928	1023

Şahinler Çelik Halat

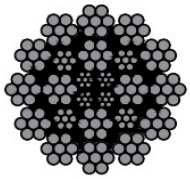
NON ROTATING ROTATION RESISTANT WIRE ROPE

Const.	18x7
Min. & Max. Dia	8 mm - 40 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US



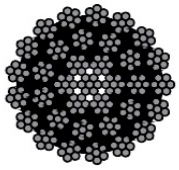
Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.256	37	41	45
9		0.324	47	52	57
10		0.400	58	64	71
11		0.484	70	78	86
12		0.576	84	93	102
13		0.676	98	109	120
14		0.784	114	126	139
15		0.900	131	145	159
16		1.024	149	165	181
17		1.156	168	186	205
18		1.296	188	208	230
19		1.444	210	232	256
20		1.600	232	257	283
21		1.764	256	284	312
22		1.936	281	311	343
23		2.116	307	340	375
24		2.304	334	370	408
25		2.500	363	402	443
26		2.704	392	435	479
27		2.916	423	469	516
28		3.136	455	504	555
29		3.364	488	541	596
30		3.600	523	579	638
32		4.096	594	658	725

Const.	24x7
Min. & Max. Dia	8 mm - 52 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US



Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
8	+5 0	0.273	41	45	50
9		0.346	52	57	63
10		0.427	64	71	78
11		0.517	77	86	94
12		0.615	92	102	112
13		0.722	108	120	132
14		0.837	125	139	153
16		1.093	164	181	200
18		1.383	207	230	253
20		1.708	256	283	312
22		2.067	310	343	378
24		2.460	368	408	450
26		2.887	432	479	528
28		3.348	502	555	612
30		3.843	576	638	703
32		4.372	655	725	799
34		4.936	739	819	902
36		5.534	829	918	1012
38		6.166	924	1023	1127

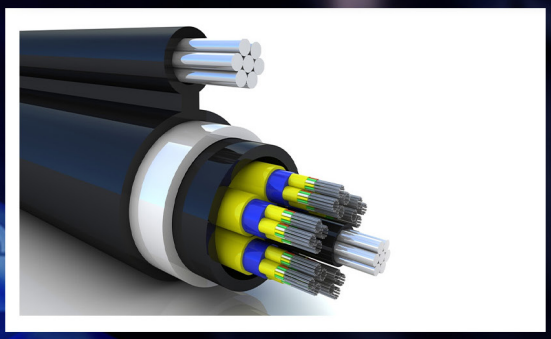
Const.	35x7
Min. & Max. Dia	16 mm - 52 mm
Core	FC & IWRC
Coating	UNGALVANIZED & GALVANIZED
Other Request	Contact US



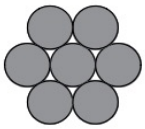
Rope Dia. (mm)	Dia. Tolerance (%)	Unit Weight (kg/m)	Minimum Breaking Load (kN) [Acc to Wire Tensile Strength] 1770 [N/mm2]	1960 [N/mm2]	2160 [N/mm2]
16	+5 0	1.0270	144	160	176
18		1.2990	182	202	223
20		1.6040	225	249	274
22		1.9410	272	302	333
24		2.3100	324	359	396
26		2.7110	380	421	464
28		3.1440	441	489	539
30		3.6090	507	561	618
32		4.1060	576	638	703
34		4.6360	651	721	795
36		5.1970	729	808	890
38		5.7900	813	900	992
40		6.4160	901	997	1099
42		7.0740	993	1099	1211
44		7.7630	1090	1207	1330
46		8.8450	1191	1319	1454
48		9.2390	1297	1436	1583
50		10.0250	1407	1558	1717
52		10.8430	1522	1685	1857

Şahinler Çelik Halat

MONOTRON

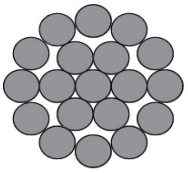


Const.	**1x7**
Min. & Max. Dia	**2 mm - 15 mm**
Other Request	**Contact US**



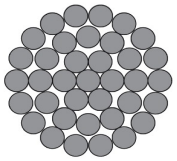
Halat Çapı Rope Dia. Mm	**Birim Ağırlık** Unit Weight kg/m	**Çekme Mukavemeti / Tensile Strength** 1200 N/mm²	1400N/mm²	1600N/mm²	1800N/mm²
		Minimum Kopma Yükü (MBL)kN Minimum Breaking Load (MBL)kN			
2.00	0.019	2.78	3.25	3.71	4.18
2.50	0.030	4.35	5.08	5.80	6.53
3.00	0.044	6.26	7.31	8.35	9.40
3.50	0.060	8.53	9.95	11.37	12.79
4.00	0.078	11.14	12.99	14.85	16.70
4.50	0.099	14.09	16.44	18.79	21.14
5.00	0.122	17.40	20.30	23.20	26.10
5.50	0.147	21.06	24.56	28.07	31.58
6.00	0.175	25.06	29.23	33.41	37.59
6.50	0.206	29.41	34.31	39.21	44.11
7.00	0.238	34.11	39.79	45.47	51.16
7.50	0.274	39.15	45.68	52.20	58.73
8.00	0.311	44.55	51.97	59.39	66.82
8.50	0.351	50.29	58.67	67.05	75.43
9.00	0.394	56.38	65.78	75.17	84.57
9.50	0.439	62.82	73.29	83.76	94.23
10.00	0.486	69.60	81.20	92.80	104.41
11.00	0.589	84.22	98.26	112.29	126.33
12.00	0.701	100.23	116.93	133.64	150.34
13.00	0.822	117.63	137.23	156.84	176.44
14.00	0.953	136.42	159.16	181.90	204.63
15.00	1.095	156.61	182.71	208.81	234.91

Const.	**1x19**
Min. & Max. Dia	**2,50 mm - 25 mm**
Other Request	**Contact US**



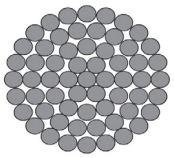
Halat Çapı Rope Dia. Mm	**Birim Ağırlık** Unit Weight kg/m	**Çekme Mukavemeti / Tensile Strength** 1200 N/mm²	1400N/mm²	1600N/mm²	1800N/mm²
		Minimum Kopma Yükü (MBL)kN Minimum Breaking Load (MBL)kN			
2.50	0.030	4.03	4.70	5.37	6.04
3.00	0.043	5.80	6.77	7.73	8.70
3.50	0.030	7.89	9.21	10.52	11.84
4.00	0.077	10.31	12.03	13.75	15.46
4.50	0.030	13.05	15.22	17.40	19.57
5.00	0.120	16.11	18.79	21.48	24.16
5.50	0.030	19.49	22.74	25.99	29.24
6.00	0.173	23.20	27.06	30.93	34.79
6.50	0.030	27.22	31.76	36.30	40.83
7.00	0.235	31.57	36.83	42.10	47.36
7.50	0.030	36.24	42.28	48.32	54.37
8.00	0.307	41.24	48.11	54.98	61.86
8.50	0.030	46.55	54.31	62.07	69.83
9.00	0.389	52.19	60.89	69.59	78.29
9.50	0.030	58.15	67.84	77.53	87.23
10.00	0.480	64.43	75.17	85.91	96.65
12.00	0.691	92.78	108.25	123.71	139.17
14.00	0.941	126.29	147.34	168.38	189.43
16.00	1.229	164.95	192.44	219.93	247.42
18.00	1.555	208.76	243.56	278.35	313.14

Const.	**1x37**
Min. & Max. Dia	**18,00 mm - 37 mm**
Other Request	**Contact US**



Halat Çapı Rope Dia. Mm	**Birim Ağırlık** Unit Weight kg/m	**Çekme Mukavemeti / Tensile Strength** 1200 N/mm²	1400N/mm²	1600N/mm²	1800N/mm²
		Minimum Kopma Yükü (MBL)kN Minimum Breaking Load (MBL)kN			
18.00	1.560	195.89	228.54	261.19	293.84
19.00	1.739	218.26	254.64	291.02	327.40
20.00	1.926	241.84	282.15	322.46	362.77
22.00	2.331	292.63	341.40	390.18	438.95
24.00	2.774	348.26	406.30	464.34	522.38
26.00	3.256	408.72	476.84	544.96	613.07
28.00	3.776	474.01	553.02	632.02	711.02
30.00	4.334	544.15	634.84	725.53	816.22
32.00	4.932	619.12	722.31	825.49	928.68
34.00	5.567	698.93	815.42	931.91	1048.39
36.00	6.242	783.57	914.17	1044.77	1175.36

Const.	**1x61**
Min. & Max. Dia	**18,00 mm - 46 mm**
Other Request	**Contact us**



Halat Çapı Rope Dia. Mm	**Birim Ağırlık** Unit Weight kg/m	**Çekme Mukavemeti / Tensile Strength** **1200 N/mm²** **1400N/mm²** **1600N/mm²** **1800N/mm²** **Minimum Kopma Yükü (MBL)kN** Minimum Breaking Load (MBL)kN			
18.00	1.571	183.88	214.52	245.17	275.82
19.00	1.751	204.88	239.02	273.17	307.32
20.00	1.940	227.01	264.85	302.68	340.52
22.00	2.347	274.68	320.46	366.24	412.02
24.00	2.793	326.89	381.38	435.86	490.34
26.00	3.278	383.65	447.59	511.53	575.47
28.00	3.802	444.94	519.10	593.25	667.41
30.00	4.365	510.77	595.90	681.03	766.16
32.00	4.966	581.15	678.00	774.86	871.72
34.00	5.606	656.06	765.40	874.75	984.09
36.00	6.285	735.51	858.10	980.68	1103.27
38.00	7.003	819.51	956.09	1092.68	1229.26
40.00	7.759	908.04	1059.38	1210.72	1362.06
42.00	8.555	1001.12	1167.97	1334.82	1501.67
44.00	9.389	1098.73	1281.85	1464.97	1648.10
46.00	10.262	1200.88	1401.03	1601.18	1801.33

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