

Anaconda

Industry-based solution
for cranes
and lifting mechanisms



Severstal  **Metiz**

metiz.severstal.com

About company

Severstal is a vertically integrated steel and steel-related mining company.

Severstal-metiz is a Russian corporate group which consolidates metalware assets of Severstal company.

Severstal-metiz is in the TOP-5 of the biggest European companies in its business segment. It has the development strategy aimed at the achievement of shared corporate objectives of Severstal.

Construction industry, oil and gas industry, automotive industry, metallurgy and machinery are principal customers of Severstal-metiz.

Being in a regular dialogue with its customers, developing partnership with suppliers and studying market demands, Severstal-metiz improves the quality of its products and services as well as develops new types of products, allowing customers to reduce operational costs.

Severstal-metiz is an environmentally safe factory, which is confirmed by an ISO 14001:2015 certificate.

Quality management system (QMS) of the Company meets the requirements of the international standard ISO 9001:2015. The Company has also obtained the International Certification Network IQNet Certificate of Conformity.



A wide range of Severstal-metiz products has 5 product lines:

Wire and wire products	Wire ropes	Cold-drawn products	Fasteners	Others
<ul style="list-style-type: none"> ■ Wire, nails ■ Cut wire ■ Plaited, woven, welded meshes ■ Gabions ■ Fences ■ Strands ■ Fiber 	<ul style="list-style-type: none"> ■ Special wire ropes ■ Standard wire ropes ■ Cable-stayed systems ■ Slings 	<ul style="list-style-type: none"> ■ Cold-drawn steel ■ Wire for cold heading ■ Steel shaped profiles 	<ul style="list-style-type: none"> ■ General purpose fasteners ■ Fasteners for automotive industry ■ Special fasteners ■ Railway fasteners 	<ul style="list-style-type: none"> ■ Consumer goods ■ Spring blocks



Export countries 2021

Armenia	Latvia
Austria	Lithuania
Azerbaijan	Moldova
Belarus	Mongolia
Belgium	Netherlands
Bulgaria	Norway
Croatia	Panama
Czech Republic	Poland
Denmark	Portugal
Ecuador	Romania
Estonia	Saudi Arabia
Finland	Serbia
France	Slovakia
Georgia	Spain
Germany	Sweden
Greece	Tajikistan
Hungary	Türkiye
Israel	Turkmenistan
Italy	UK
Kazakhstan	USA
Kyrgyzstan	Uzbekistan

> 100 000

The number of items
in the product line

> 4 500

Clients number

20%

Russian market share

\$95.1 million

EBITDA in 2020

5 500

Employees

42

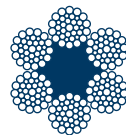
Export countries

Steel wire rope

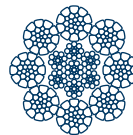
One of the main directions of Severstal-metiz is production and development of steel wire ropes.

The product line of the company includes more than 100 types of ropes, which are produced in accordance with Russian and international standards.

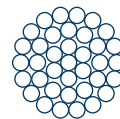
Our clients are more than 500 Russian and foreign companies operating in various business areas: from mining to the production and maintenance of elevators.



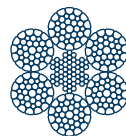
6-strand



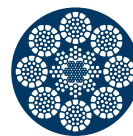
8-strand



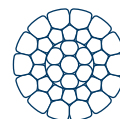
Spiral



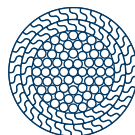
6-strand with compacted outer strands



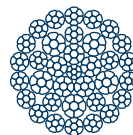
Plastic sheathed



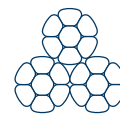
Compacted spiral



Full locked



Multistrand



3-strand

Wire ropes production sites



Cherepovets

- Wire ropes diameter: 0.65-65.0 mm
- Grade: 1180-2160 N/mm²
- Production capacity:
≈ 2400-2800 tons per month

Volgograd

- Wire ropes diameter: 0.65-100.0 mm
- Grade: 1180-2160 N/mm²
- Production capacity:
≈ 3000-5500 tons per month

1955 year

Steel wire ropes launch

2008-2017 year

Redaelli Tecna S.p.A. is a part of Severstal-metiz

\$23.5 million

Investments in steel wire ropes equipment in 2017-2020

Quality control at all stages of manufacturing

Severstal-metiz is a part of the metallurgical company Severstal.

It allows us to control the rope production process from the moment the ore is mined to the moment the final product is made.

We pay special attention to the quality at every stage of production. Raw materials, wire and wire ropes go through standard compliance tests under laboratory conditions to ensure product quality control.



Beside wire ropes production we can cut them to required length and terminate with sleeves. We also help our clients with wire rope selection, based on type of equipment, breaking load and exploitation terms. Our own research and development center allows us to design any lifting products for the necessary tasks with the provision of all necessary accompanying documentation.

Certification

The company's quality management system is certified according to international standards ISO 9001:2015, 45001:2018 and 14001:2015.



Industry-based solution

We developed a solution for each area of use. This solution includes:

- Special ropes with improved performance and extended service life;
- Additional services;
- Technical support.

Industry-based solutions help our customers to reduce equipment downtime, to increase the safety of its work, as well as to reduce the cost of maintenance of equipment.

Customers choose our industry-based solutions for:

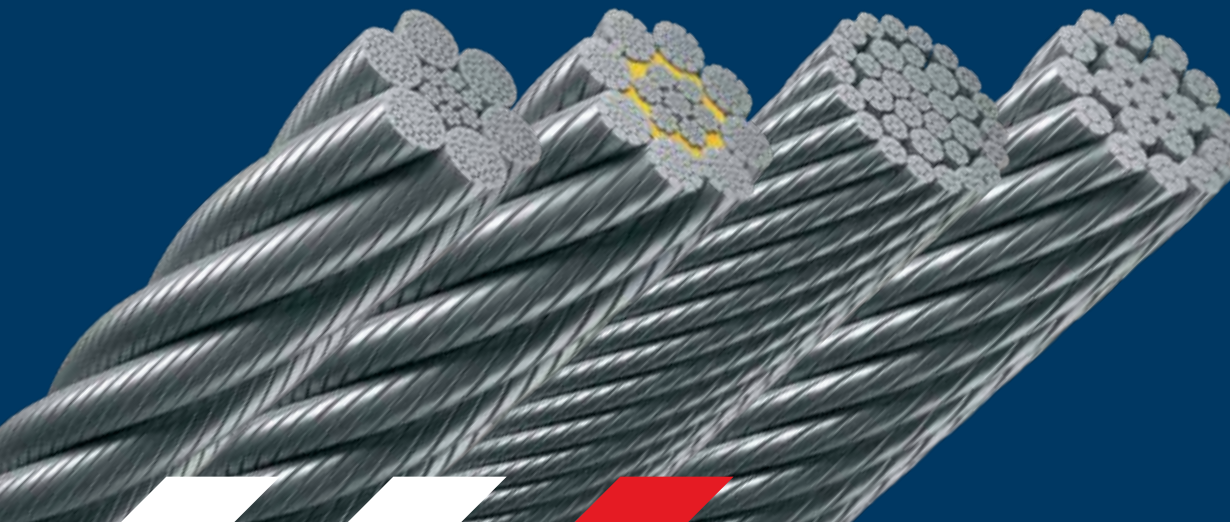
- Oil and gas;
- Mining;
- Production and maintenance of elevators;
- All types of cranes used in any manufacturing industry;
- Cableways.

For each of the areas of application we produce product line of special ropes with unique technical characteristics and construction.

Anaconda® is our solution for cranes.

It includes 6-strand, 8-strand and multistrand special wire ropes with compacted outer strands and polymer filling of the core. Our high tensile ropes have longer service life than standard ropes. Due to the special design, Anaconda multi-strand wire ropes are more flexible and non-rotating. They are the optimal solution for lifting loads to great heights, because rotation resistance is really important.

We select ropes for different application conditions of the equipment for the most efficient operation, in a short time we carry out delivery and provide additional services.



Anaconda

Industry-based solution
for cranes
and lifting mechanisms



High-rated
quality



Cost
minimization

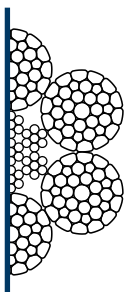


Better
performance



More
safety

Compacting



- 01 Strength
+ 10-15%
- 02 Contact with bearing
surface + 8-10%
- 03 Strands interlocking
is eliminated



Rotation resistance

Anaconda multi-strand ropes are produced using a special technology in which the inner and outer strands are twisted in opposite directions.

This creates a balancing effect and the rope does not rotate even when the load is lifted to a great height.

A large number of strands makes the rope flexible and elastic, which makes it more convenient to use.



Advantages of Anaconda®

- | | |
|--|-------------------------------|
| 01 Increased flexibility | 03 High strength |
| 02 Less wear of sheaves and drums | 04 Rotation resistance |

Wire rope termination

We produce and supply all types of rope fittings. We supply ropes as finished products of the required length. In addition to standard products, we offer our clients custom engineering of end fittings by our own or customer's design.



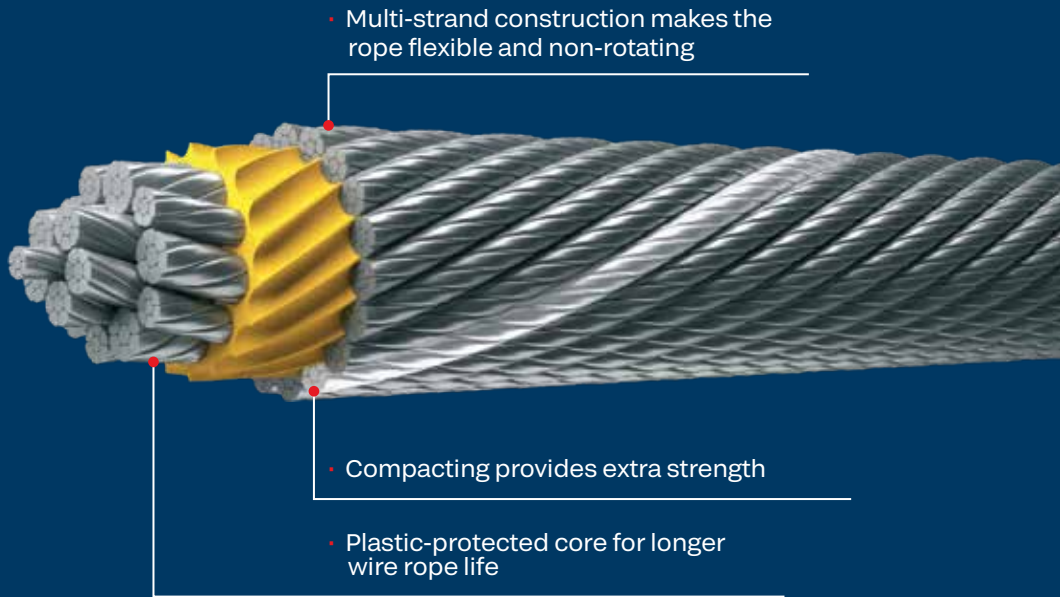
Mesh grips for steel wire ropes

For easier installation of a new rope, we offer our customers special steel wire mesh grips.

They are tightened securely on the free ends of the old rope and the new one connecting them firmly. After that, the rope is installed on the winding hoist drum.



Special design



Comparison of wire ropes

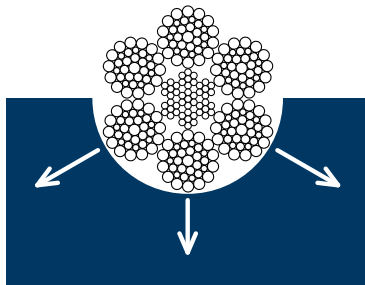
EN 12385-4 (6x36WS-IWRC)

Diameter - 25.0 mm

Weight - 2.66 kg/m

Grade - **1770** N/mm²

MBL - 396 kN



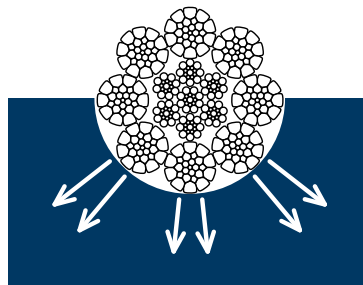
Anaconda 826K (8xK26WS-IWRC)

Diameter - 25.0 mm

Weight - 2.94 kg/m

Grade - **1770** N/mm²

MBL - 454 kN



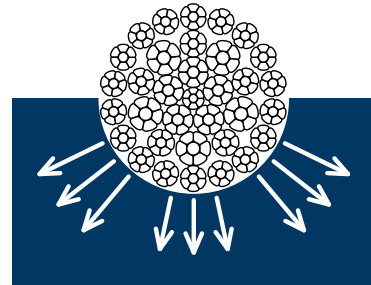
Anaconda 36K (34WxK7)

Diameter - 25.0 mm

Weight - 3.10 kg/m

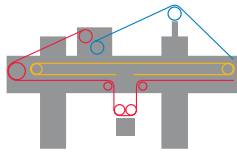
Grade - **1770** N/mm²

MBL - 474 kN

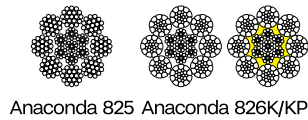


Rope selection guide

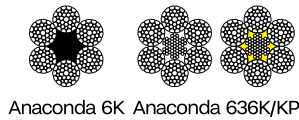
Ship to shore



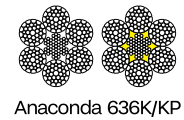
Hoisting rope



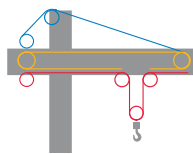
Trolley rope



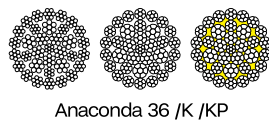
Boom hoist rope



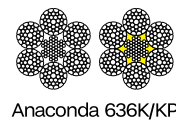
Tower



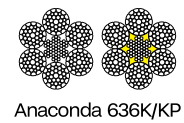
Hoisting rope



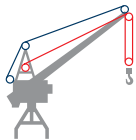
Trolley rope



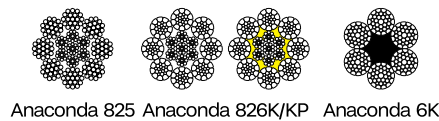
Boom hoist rope



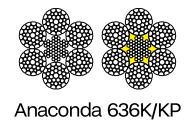
Portal



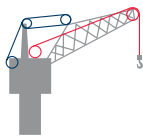
Hoisting rope



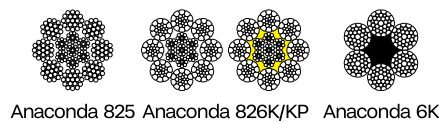
Boom hoist rope



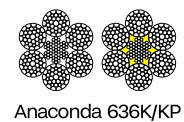
Pedestal



Hoisting rope



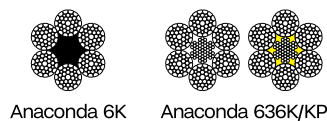
Boom hoist rope



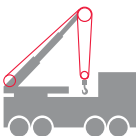
Gantry



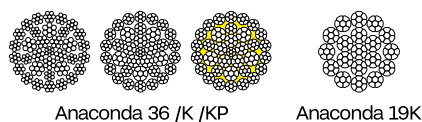
Hoisting rope



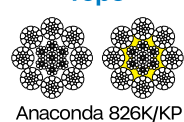
Mobile



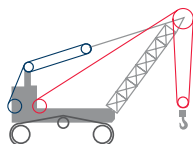
Hoisting rope



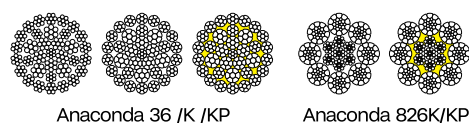
Boom telescoping rope



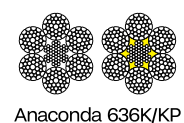
Crawler



Hoisting rope

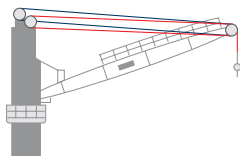


Boom hoist rope

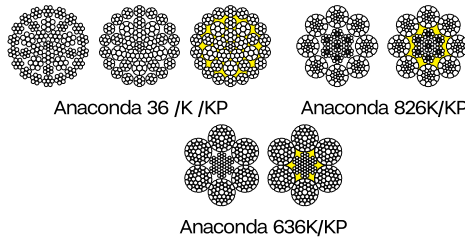


Rope selection guide

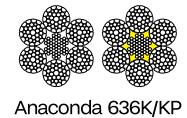
Deck



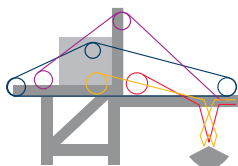
Hoisting rope



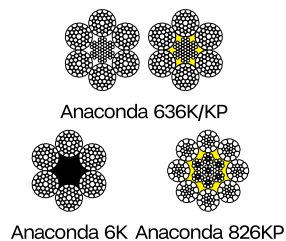
Boom hoist rope



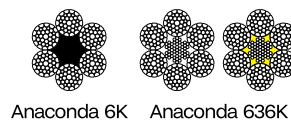
Grab-bucket



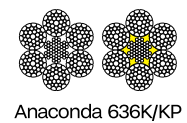
Hoisting rope



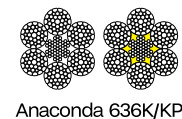
Closing rope



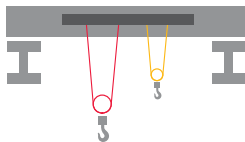
Boom hoist rope



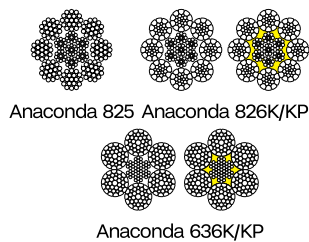
Trolley rope



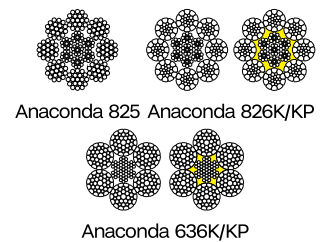
Bridge



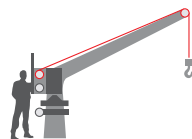
Hoisting rope



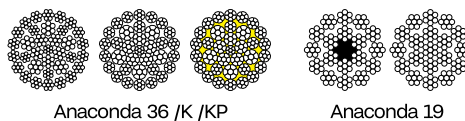
Auxiliary hoist rope



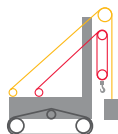
Davit



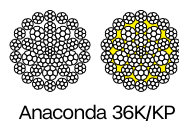
Hoisting rope



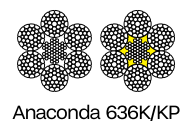
Pile-driver



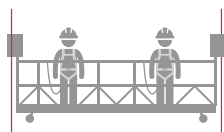
Hoisting rope



Auxiliary hoist rope



Suspended platform



Hoisting rope



Anaconda 6K

6-strand wire ropes with compacted outer strands and fiber core

EN 12385-4



- Ship to shore cranes
- Grab-bucket cranes
- Tower cranes
- Crawler cranes

Construction

6x36 (1+7+7/7+14)+ 1 fiber core

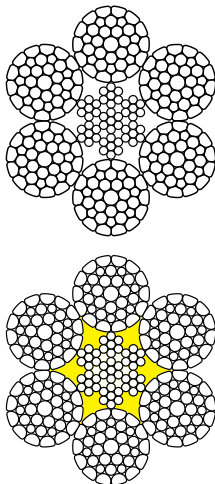
Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²		
		1770	1860	1960
		Minimum breaking load, kN		
20.0	1626	257	270	284
22.0	1958	307	323	340
23.0	2240	349	367	387
24.0	2356	368	387	408
26.0	2788	434	457	481
27.0	3039	471	495	522
28.0	3236	504	529	558
30.0	3801	583	612	645
32.0	4254	657	690	728
33.0	4525	695	731	770
34.0	4862	748	786	829
36.5	5303	811	852	898
38.0	5597	857	901	949
39.5	6159	944	992	1050
42.0	6956	1070	1120	1180
43.0	7290	1120	1170	1240
44.5	7967	1220	1280	1350
46.5	8499	1300	1370	1440
48.5	9177	1410	1480	1560
50.5	9798	1500	1580	1670
53.5	11195	1720	1810	1910
56.0	12393	1900	2000	-
58.5	13088	2010	2120	-
60.5	14959	2290	-	-
63.0	15344	2360	-	-
64.0	16086	2470	-	-
65.0	16592	2550	-	-
68.0	18686	-	-	-

Anaconda 636K

6-strand wire ropes with compacted outer strands

EN 12385-4



- Ship to shore cranes
- Grab-bucket cranes
- Tower cranes
- Crawler cranes
- Offshore cranes
- Bridge cranes
- Gantry cranes
- Pile-driver

Construction

6x36 (1+7+7/7+14) + 7x7 (1+6)

Configuration I - rope construction with compacted outer strands.

Configuration III - construction with compacted outer strands and plastic coated core.

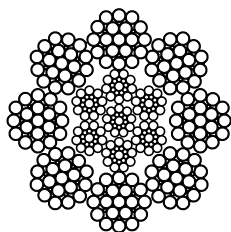
Specifications

Diameter, mm	Weight of 1000 m, kg		Rope grade, N/mm ²		
	Conf. I	Conf. III	1670	1770	1860
Minimum breaking load, kN					
16.0	1190	1200	178	189	198
18.0	1510	1525	226	240	252
20.0	1840	1860	277	294	309
22.0	2220	2245	334	354	372
24.0	2640	2670	398	422	443
26.0	3100	3130	469	497	522
28.0	3580	3620	544	576	606
30.0	4110	4155	629	667	701
32.0	4690	4740	712	755	794
34.0	5330	5390	810	858	902
35.5	5770	5830	874	927	974
36.0	5910	5970	909	964	1013
36.5	6090	6160	924	979	1029
39.0	6720	6790	1021	1082	1137
41.0	7600	7680	1153	1222	1284
42.0	7970	8060	1210	1283	1348
45.5	9270	9370	1405	1489	1565
49.0	10790	10900	1637	1735	1823
52.0	12290	12420	1866	1977	2078
57.0	14390	14550	2187	2318	2436
60.5	16410	16590	2492	2642	-
61.5	16910	17090	2569	2723	-
64.0	18220	-	2769	2935	-
66.0	19320	-	2953	-	-
68.0	20520	-	3120	-	-

Anaconda 825

8-strand wire ropes

EN 12385-4



- Ship to shore cranes
- Grab-bucket cranes
- Bridge cranes
- Crawler cranes
- Offshore cranes
- Gantry cranes
- Pile-driver

Construction

8x25(1+6; 6+12) + 6x17(1+8+8) + 1x17(1+8+8)

Advantages

- high flexibility in comparison with 6-strand wire ropes
- high strength
- reduced friction between outer wires in strands and pulley groove surface

Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²		
		1770	1860	1960
		Minimum breaking load, kN		
21	1937	292	307	323
24	2580	396	417	439
30	3970	609	639	674
31	4167	639	672	708
32	4550	702	737	777
34	5070	777	817	861
37	5976	917	964	1016
38	6250	972	1022	1076
42	7903	1211	1273	1341



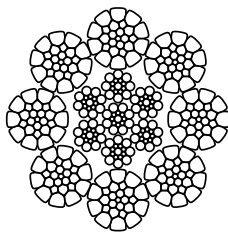
Anaconda

Industry-based solution for cranes
and lifting mechanisms

Anaconda 826K

8-strand wire ropes with compacted outer strands

EN 12385-4



- Ship to shore cranes
- Grab-bucket cranes
- Bridge cranes
- Crawler cranes
- Offshore cranes
- Gantry cranes
- Pile-driver

Construction

8x26(1+5+5/5+10) + 6x17(1+8+8) + 1x17(1+8+8)

Advantages

- increased wear resistance of wires
- high strength characteristics
- less pulley groove wear
- increased resistance against transverse crushing

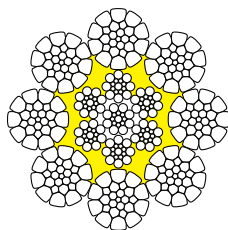
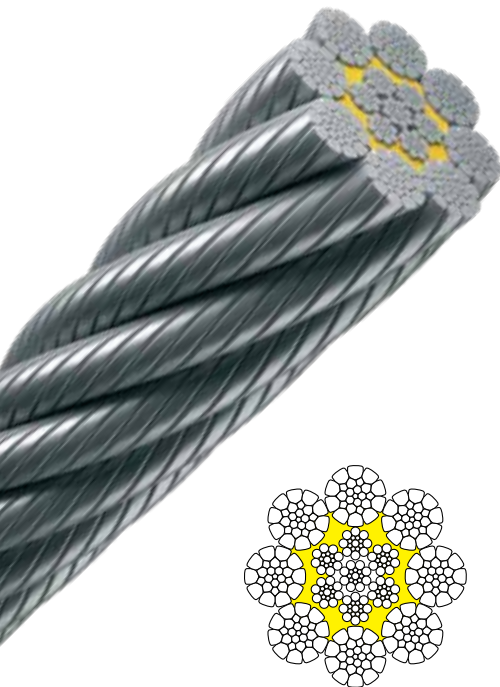
Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²		
		1770	1960	2160
		Minimum breaking load, kN		
8	306	44	49	54
9	387	58	64	70
10	478	68	75	83
11	578	81	90	99
12	688	105	116	128
13	808	124	137	151
14	930	142	157	173
15	1067	163	181	199
16	1215	186	206	228
17	1360	208	231	254
18	1550	238	263	290
19	1695	260	288	318
20	1905	294	325	358
21	2060	317	351	387
22	2280	352	390	430
23	2500	386	428	471
24	2760	428	474	522
25	2940	454	503	554
26	3200	497	550	606
27	3400	526	583	642
28	3730	582	644	710
29	3960	613	679	748
30	4240	660	731	805
31	4535	705	781	860
32	4835	753	834	919
33	5110	793	879	-
34	5490	854	946	-
35	5840	874	968	-
36	6155	955	1 058	-
37	6355	988	1 094	-
38	6825	1064	1178	-
39	7180	1117	1237	-
40	7480	1169	1295	-
41	7840	1221	1352	-
42	8335	1304	1444	-
44	8926	1403	1554	-
46	9727	1530	1694	-
48	10601	1668	1847	-
50	11561	1819	2015	-
52	12460	1961	2172	-

Anaconda 826KP

8-strand wire ropes with compacted outer strands and plastic coated core

EN 12385-4



- Ship to shore cranes
- Grab-bucket cranes
- Bridge cranes
- Crawler cranes
- Offshore cranes
- Gantry cranes
- Pile-driver

Construction

8x26(1+5+5/5+10) + 6x17(1+8+8) + 1x17(1+8+8)

Advantages

in comparison with standard solutions

- steady operation of rope elements as a result of the core polymeric coating
- less wear of wires in the strands contact points
- better resistance to lateral and impact loads
- less corrosion damage
- increased service life

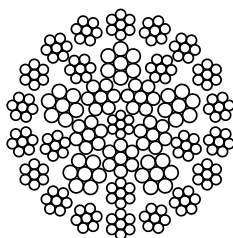
Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²		
		1770	1960	2160
		Minimum breaking load, kN		
15	1067	163	181	199
16	1215	186	206	228
17	1360	208	231	254
18	1550	238	263	290
19	1695	260	288	318
20	1905	294	325	358
21	2060	317	351	387
22	2280	352	390	430
23	2500	386	428	471
24	2760	428	474	522
25	2940	454	503	554
26	3200	497	550	606
27	3400	526	583	642
28	3730	582	644	710
29	3960	613	679	748
30	4240	660	731	805
31	4535	705	781	860
32	4835	753	834	919
33	5110	793	879	-
34	5490	854	946	-
35	5840	874	968	-
36	6155	955	1 058	-
37	6355	988	1 094	-
38	6825	1064	1178	-
39	7180	1117	1237	-
40	7480	1169	1295	-
41	7840	1221	1352	-
42	8335	1304	1444	-
44	8926	1403	1554	-
46	9727	1530	1694	-
48	10601	1668	1847	-
50	11561	1819	2015	-
52	12460	1961	2172	-

Anaconda 36

Multistrand non-rotating wire ropes

EN 12385-4



- Ship to shore cranes
- Grab-bucket cranes
- Tower cranes
- Mobile cranes
- Crawler cranes
- Offshore cranes
- Pile-driver

Construction

18x7+5x7/5x7+5x7+1x7

Advantages

in comparison with standard solutions

- high flexibility
- high strength
- reduced friction between outer wires in strands and pulley groove surface
- rotation resistance

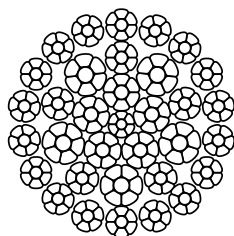
Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²	
		1960	2160
		Minimum breaking load, kN	
14	890	138	148
15	1020	159	170
16	1160	181	194
17	1310	204	218
18	1470	229	245
19	1640	255	273
20	1820	282	302
21	2000	311	333
22	2200	342	366
23	2400	373	400
24	2620	406	435
25	2840	441	473
26	3070	477	511
27	3310	514	551
28	3560	553	593
30	4090	635	680
32	4650	723	774

Anaconda 36K

Multistrand non-rotating wire ropes with compacted outer strands

EN 12385-4



- Ship to shore cranes
- Grab-bucket cranes
- Tower cranes
- Mobile cranes
- Crawler cranes
- Offshore cranes
- Pile-driver

Construction

18x7+5x7/5x7+5x7+1x7

Advantages

in comparison with standard solutions

- high strength
- high abrasion resistance
- high fatigue failure resistance
- expanded contact with bearing surface area
- less wear of sheaves and capstans
- rotation resistance

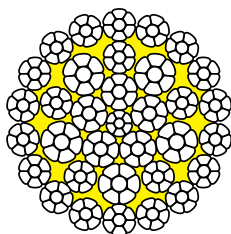
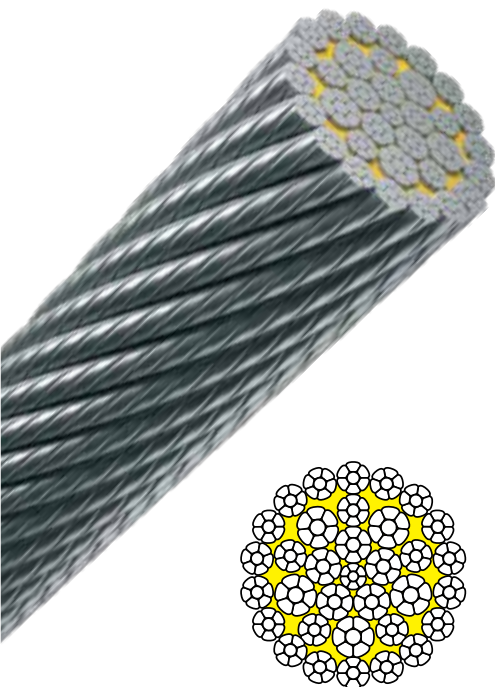
Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²	
		1770	1960
		Minimum breaking load, kN	
18	1593	243	269
19	1801	270	299
20	1995	301	334
21	2180	332	368
22	2410	368	407
23	2627	401	444
24	2848	434	481
25	3100	474	525
26	3374	515	570
27	3615	556	616
28	3883	597	661
29	4200	639	707
30	4477	684	758
32	5199	782	866
34	5792	881	975
36	6484	995	1102

Anaconda 36KP

Multistrand non-rotating wire ropes
with compacted outer strands and plastic coated core

EN 12385-4



- Ship to shore cranes
- Grab-bucket cranes
- Tower cranes
- Mobile cranes
- Crawler cranes
- Offshore cranes
- Pile-driver

Construction

18x7+5x7/5x7+5x7+1x7

Advantages

in comparison with standard solutions

- steady operation of rope elements as a result of the core polymeric coating
- less wear of wires in the strands contact points
- less wear of sheaves and capstans
- less corrosion damage
- increased service life
- rotation resistance

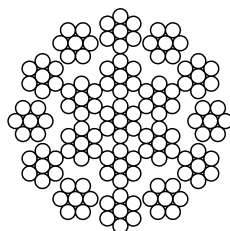
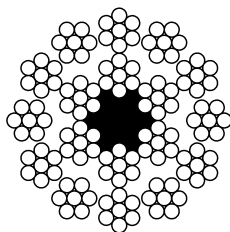
Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²	
		1770	1960
		Minimum breaking load, kN	
18	1593	243	269
19	1801	270	299
20	1995	301	334
21	2180	332	368
22	2410	368	407
23	2627	401	444
24	2848	434	481
25	3100	474	525
26	3374	515	570
27	3615	556	616
28	3883	597	661
29	4200	639	707
30	4477	684	758
32	5199	782	866
34	5792	881	975
36	6484	995	1102

Anaconda 19

Multistrand non-rotating wire ropes

EN 12385-4 construction 18x7



- Tower cranes
- Crawler cranes
- Pile-driver

Construction

18x7 (1+6) + 1 fiber core

18x7 (1+6) + 1x7 (1+6)

Advantages

- high flexibility
- high strength
- reduced friction between outer wires in strands and pulley groove surface
- rotation resistance

Specifications

Dia- meter, mm	Rope with fiber core				Rope with metal core			
	Weight of 1000 m, kg	Rope grade, N/mm ²			Weight of 1000 m, kg	Rope grade, N/mm ²		
		1770	1960	2160		1770	1960	2160
		Minimum breaking load, kN				Minimum breaking load, kN		
8	244	37.2	41.1	45.3	257	37.2	41.1	45.3
9	309	47	52	57.4	325	47	52	57.4
10	382	58.1	64.3	70.8	401	58.1	64.3	70.8
11	462	70.2	77.8	85.7	485	70.2	77.8	85.7
12	550	83.6	92.6	102	577	83.6	92.6	102
13	646	98.1	109	120	678	98.1	109	120
14	749	114	126	139	786	114	126	139
15	860	131	145	159	902	131	145	159
16	978	149	165	181	1030	149	165	181
17	1104	168	186	205	1159	168	186	205
18	1240	188	208	230	1300	188	208	230
19	1379	210	232	256	1448	210	232	256
20	1530	232	257	283	1600	232	257	283
21	1680	256	283	312	1770	256	283	312
22	1850	281	311	343	1940	281	311	343

Anaconda 19K

Multistrand non-rotating wire ropes
with compacted outer strands

EN 12385-4 construction 18xK7



- Tower cranes
- Crawler cranes
- Pile-driver

Construction

18x7 (1+6) + 1x7 (1+6)

Advantages

- high flexibility
- high strength
- reduced friction between outer wires in strands and pulley groove surface
- rotation resistance

Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²		
		1770	1960	2160
		Minimum breaking load, kN		
10	480	76,9	85,1	94
11	580	91,4	101	112
12	690	109	121	133
13	800	127	141	155
14	950	151	167	184
15	1070	170	188	208
16	1230	195	216	238
17	1370	217	240	265
18	1560	248	274	302
19	1730	275	304	335
20	1950	310	343	378



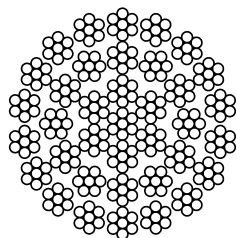
Anaconda

Industry-based solution for cranes
and lifting mechanisms

Anaconda 34

Multistrand non-rotating wire ropes

EN 12385-4 construction 37(W)x7



- Tower cranes
- Crawler cranes
- Pile-driver

Construction

18x7 (1+6) + 12x7 (1+6) + 6x7 (1+6) + 1x7 (1+6)

Advantages

- high flexibility
- high strength
- reduced friction between outer wires in strands and pulley groove surface
- rotation resistance

Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²	
		1770	1960
		Minimum breaking load, kN	
14	890	138	148
15	1020	159	170
16	1160	181	194
17	1310	204	218
18	1470	229	245
19	1640	255	273
20	1820	282	302
21	2000	311	333
22	2200	342	366
23	2400	373	400
24	2620	406	435
25	2840	441	473
26	3070	477	511
27	3310	514	551
28	3560	553	593
30	4090	635	680
32	4650	723	774

Anaconda 34K

Multistrand non-rotating wire ropes
with compacted outer strands

EN 12385-4 construction 37(W)xK7



- Tower cranes
- Crawler cranes
- Pile-driver

Construction

18x7 (1+6) + 12x7 (1+6) + 6x7 (1+6) + 1x7 (1+6)

Advantages

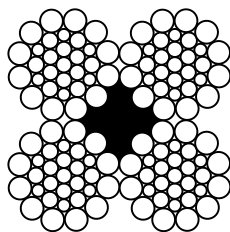
- high flexibility
- high strength
- reduced friction between outer wires in strands and pulley groove surface
- rotation resistance

Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²	
		1960	2160
		Minimum breaking load, kN	
16	1310	206	227
17	1470	232	256
18	1650	260	287
19	1840	290	320
20	2040	321	354
21	2250	354	391
22	2470	389	429
23	2700	425	468
24	2940	463	510
25	3190	502	554
26	3450	543	599
27	3720	586	646
28	4000	630	694
29	4290	676	745
30	4590	723	797
31	4900	722	851
32	5220	823	907

Anaconda 431

4-strand ropes for suspended platforms



■ Suspended platforms

Construction

4x31(1+6+6/6+12) + 1 fiber core (4x31WS-FC)

Wire rope designed for suspended platforms (cradles) used for lifting people and cargos during facade construction works.

Specifications

Diameter, mm	Weight of 1000 m, kg	Rope grade, N/mm²		
		1770	1960	2160
		Minimum breaking load, kN		
8.3	260	39.4	43.6	48.1
10.2	393	64.8	71.6	79



Anaconda

Industry-based solution for cranes and lifting mechanisms

Relubrication

During operation, rope lubrication loses its properties. In order to prevent premature failure of a rope, it should be lubricated periodically, uniformly distributing the lubricant over the entire surface of the product.

We offer our customers wire rope relubrication service.

Our specialists select the necessary lubricant, visit the production site and re-lubricate the wire rope on the client's equipment.



Cut-to-length

We offer our customers a service of cutting ropes to certain lengths. We work with any lengths and volumes.

Rope cutting options:

- Disk cutter
- Electrohydraulic cutter
- Annealing and shaping of a tapered wire rope end

Before cutting, a rope is tied in order to prevent unraveling and unwinding.



Rewinding of ropes onto drums and into coils

Rewinding a rope of a required measured length is the final operation after cutting. Specialists of our company can rewind a required length of a rope for the client on special equipment in a short time.

The dimensions of the drums fully comply with the requirements of the standards applied to them. Coil packing is carried out by special equipment using steel strap.



Prestretching

Prestretching is a service that allows to minimize the residual elongation of the rope arising during its lifespan.

We use a special equipment which provides a load applied on a rope that simulates the working process on the client's equipment. All the granulations and deformations occurred in product during its manufacturing disappears after such operation. Prestretching also provides even load distribution.

Prestretching reduces the cost of putting the rope into operation, because in this case, there is no need to carry out a long preliminary running-in of the rope coming from its fitting, shortening and pulling.



Dynamic stretching for mid-diameters
Ø 15-35 mm



Static stretching for big diameters
Ø 19-90 mm



Lower residual elongation



Higher modulus of elasticity



Low torque



Efficient performance



Severstal-metiz group of companies
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Service center

Our experience shows that the more accurately the rope is selected, the longer its service life is. The specialists of the service center have already helped dozens of customers in the selection and maintenance of ropes on various equipment: from cranes to drilling platforms. When working with a new object, they take into account many aspects: scope of use, equipment features, operating conditions, etc.

To ensure the durability of ropes, the specialists of the service center provide the following services:

- Rope selection for specific operating conditions.
- Consultations on the features of the application, mounting and operation of ropes.
- Development of special rope construction (together with the Technological department).
- Supply of experimental batches of products.
- Selection of the end fittings and fasteners.
- Technical support of the rope installation.
- Rope running time monitoring and warranty period calculation.
- Organization of seminars.

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Anaconda

**Industry-based solution
for cranes and lifting mechanisms**

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