



[®]
Cottrac



INDUSTRIAL WIRE ROPES

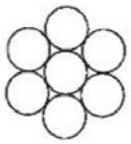
- ✓ Steel wire ropes, bright or galvanized for diverse industrial use, with diameters from 1mm to 80 mm;
- ✓ Galvanized steel wire ropes with standard or spiral construction (strands), flexible or semi flexible, with diameters starting from 1mm, delivered in coils of specific length or on wooden reels;
- ✓ Wire rope slings for traction or lifting, matissed or with sleeves at ends, simple or with high resistance accessories (hooks, shackles etc.) with 1, 2, 3 or 4 legs, wire rope diameters starting from 6m (300 kg lift) to 80mm (over 75000 kg lift);
- ✓ Grade 3 resistance chains according to DIN 766 (short link);
- ✓ High resistance chains, grade 8 according to EN 818, in specific lengths, or delivered as lifting or anchoring devices; mining chains according to DIN 22252;
- ✓ Chain lifting devices with 1, 2, 3, 4 or more legs, with or without tightener;
- ✓ Commercial galvanized chains, chains for animals;
- ✓ Chain anchoring devices for transport platforms;
- ✓ Lifting webbing slings, endless or flat, made of polyester, with a lift capacity starting from 1 ton; anchoring belts for goods during transport, with lengths of 5, 6, 8, 10 or 12m;
- ✓ Rutile or base welding electrodes, diameters 2.50, 3.25, 4.00 or 5.00mm; SG2 welding wire;
- ✓ 'Martin Miller' saw blades;
- ✓ Accessories for chains and wire ropes, for commercial and industrial use (clips, thimbles, hooks, shackles, snap hooks etc.);
- ✓ (*) Assembly pieces, bright or galvanized, or stainless steel, for different industrial use; shaft and bore rings, clamps;
- ✓ (*) Profiles, plates, pipes and other metallurgical products;
- ✓ (*) Coke, carbide, PP and PES cords.

Our clients recommend us

SATISFIED CLIENTS	FIELD OF ACTIVITY	DELIVERED PRODUCTS
FORAJ SONDE SA • DAFORA FORAJ SA	Gas and petrol drilling	Pipes, wire ropes, lifting and anchoring devices
ROMGAZ SA • TRANSGAZ SA • E.ON GAZ DISTRIBUȚIE SA	Natural gas	Coke, pipes, welding electrodes
DAMEN SHIPYARDS • ȘANTIERUL NAVAL CONSTANȚA • AKER SA	Shipyards and docks	High resistance chains, wire ropes for ships and anchoring
SCCF - COLAS SA • ACSA SA • 2 INVEST SA	Construction of bridges and rafts	High resistance wire ropes, assembly pieces
HIDROCONSTRUCȚIA SA • CONSTRUCȚII HIDROTEHNICE SA	Hydro technical constructions	Wire ropes, pipes, welding electrodes
BUILD CORP SRL • ROMBET SA • VICTOR CONSTRUCT • CONTRANSCOM BENȚA SA	Civil and industrial constructions	Materials for fixing, anchoring, traction and welding
COMPANIA NAȚIONALĂ A HUILEI • SOCIETATEA NAȚIONALĂ A LIGNITULUI OLTENIA	Mining	High resistance chains, carbide, wire ropes
COMPANIA NAȚIONALĂ A URANIULUI • SOCIETATEA NAȚIONALĂ A SĂRII	Extraction industry	Big wire ropes for draglines, excavators
COMPLEXUL ENERGETIC ROVINARI • COMPLEXUL ENERGETIC TURCENI SA	Energy complexes	Steel wire ropes, high resistance chains
MECANICA MARSA • MECANICA CEAHLĂU	Car manufacturing industry	Wire ropes for traction, electrodes and welding wire
HOLCIM SA • LAFARGE SA • CARPATCEMENT	Concrete industry	Special construction wire ropes, electrodes and welding wire
RNP ROMSILVA SA • HLV • FORESTAR	Forestry	Chains, wire ropes, drive belts, assembly pieces
ROMANEL SA • KRONOSPAN • MOBEXPERT	Timber industry	Saw blades, drive belts, welding electrodes, assembly pieces

STEEL WIRE ROPES

SIMPLE CONSTRUCTION – SPIRAL



Galvanized, spiral construction, steel wire ropes
1x7 – according to EN 12385-10

Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
0.5	0.12	0.23	0.26
1	0.49	0.94	1.04
1.5	1.10	2.11	2.34
2	1.96	3.75	4.15
2.5	3.06	5.86	6.49
3	4.4	8.45	9.35
3.5	5.99	11.5	12.7
4	7.8	15.0	16.6
4.5	9.0	19.0	21.0
5	12.2	23.5	26.0
6	17.6	33.8	37.4
6.4	20.0	38.4	42.6
7	24.0	46.0	50.9
8	31.3	60.1	66.5
9	39.6	76.0	84.2

Recommended field of use:

For anchoring, guiding, cableways and special high resistance uses.

Delivered bright or galvanized.



Galvanized, spiral construction, steel wire ropes
1x19 – according to EN 12385-10

Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
1.5	1.09	2.10	2.32
2	1.94	3.73	4.13
2.5	3.03	5.83	6.45
3	4.36	8.39	9.29
3.5	5.93	11.42	12.64
4	7.74	14.91	16.51
4.5	9.80	18.87	20.90
5	12.1	23.3	25.8
6	17.5	33.5	37.1
6.4	19.9	38.1	42.2
7	23.8	45.6	50.5
8	31	59.6	66
9	39.3	75.4	83.5
9.5	43.8	84	93
10	48.5	93.1	103
11	58.7	113	125

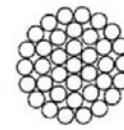
Recommended field of use:

Diam. 1-2: aviation

Diam. 2-7: maneuvering works

Diam. 8-14: anchoring, suspension.

Delivered bright or galvanized.



Galvanized, spiral construction, steel wire ropes
1x37 – according to EN 12385-10

Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
6	17.4	32.7	36.2
6.4	19.8	37.2	41.2
7	23.7	44.5	49.3
8	31	58.1	64.3
9	39.2	73.5	81.4
9.5	43.7	81.9	90.7
10	48.4	90.8	101
11	58.5	110	122
12	69.7	131	145
13	81.7	153	170
14	94.8	178	197
14.5	102	191	211
16	124	232	257
18	157	294	326
19	175	328	363
20	193	363	402

Recommended field of use:

Diam. 3-10: maneuvering works

Diam. 12-20: anchoring and suspension.

Delivered bright or galvanized.



STEEL WIRE ROPES

NORMAL CONSTRUCTION



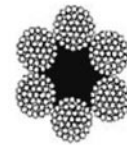
Normal steel wire ropes 6x7+FC
According to EN 12385-4

Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
2	1.38	2.35	2.6
3	3.11	5.29	5.86
4	5.52	9.4	10.4
5	8.63	14.7	16.3
6	12.4	32.3	23.4
7	16.9	38.8	31.9
8	22.1	37.6	41.6
9	27.9	47.6	52.7
10	34.5	58.8	65.1
11	41.7	71.1	78.7
12	49.7	84.6	93.7
13	58.3	99.3	110
14	67.6	115	128
16	88.3	150	167
18	112	190	211
20	138	235	260
22	167	284	315
24	199	338	375
26	233	397	440



Normal steel wire ropes 6x19+FC
According to EN 12385-4

Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
5	8.65	13.1	14.5
6	12.5	18.8	20.8
7	17.0	25.6	28.3
8	22.1	33.4	37.0
9	28.0	42.3	46.8
10	34.6	52.2	57.8
11	41.9	63.2	70.0
12	49.8	75.2	83.3
13	58.5	88.2	97.7
14	67.8	102.3	113.3
15	77.8	117.5	130.1
16	88.6	133.7	148.0
17	100	151	167
18	112	169	187
19	125	188	209
20	138	209	231
21	153	230	255
22	167	253	280
23	183	276	306
24	199	301	333
25	216	326	361
26	234	353	391
28	271	409	453
30	311	470	520



Normal steel wire ropes 6x37+FC
According to EN 12385-4

Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
8	22.14	33.4	37.0
10	34.6	52.2	57.8
11	41.9	63.2	70.0
12	49.8	75.2	83.3
13	58.5	88.2	97.7
14	67.8	102.3	113.3
15	77.8	117.5	130.1
16	88.6	133.7	148.0
17	100	151	167
18	112	169	187
19	125	188	209
20	138	209	231
21	153	230	255
22	167	253	280
23	183	276	306
24	199	301	333
25	216	326	361
26	234	353	391
28	271	409	453
30	311	470	520
32	354	535	592
34	400	604	668
36	448	677	749
40	554	835	925
42	610	921	1020
47	764	1153	1277
51	900	1358	1504

Recommended field of use:

Diam. 2-4: aviation

Diam. 4-9: for devices

Diam. 10-24: traction wire ropes for lifting devices, carrying, high resistance wire ropes for special use

Diam. 21-26: wire ropes for cableways.

Delivered bright or galvanized.

Recommended field of use:

Diam. 3-7: aviation and devices

Diam. 8-25: mechanical transport, lifting installations, elevators, traction, forestry

Diam. 21-46: lifting installations and mining.

Delivered bright or galvanized.

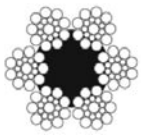
Recommended field of use:

Lifting devices, forestry, traction elevators, monorails, confectioning wire rope lifting devices and slings.

Delivered bright or galvanized.

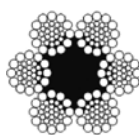
STEEL WIRE ROPES

COMBINED CONSTRUCTION



Steel wire ropes 6x19Seale+FC
According to EN 12385-4

Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
8	23.0	37.4	41.4
10	35.9	58.4	64.7
12	51.7	84.1	93.1
14	70.4	114	127
16	91.9	150	166
18	116	189	210
20	144	234	259
24	207	336	373
26	243	395	437
28	281	458	507
32	368	598	662
36	465	757	838



Steel wire ropes 6x31Seale+FC
According to EN 12385-4

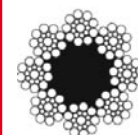
Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
16	94.0	150	166
18	119	189	210
19	132	211	233
20	147	234	259
22	178	283	313
25	229	365	404
26	248	395	437
28	288	458	507
31	353	561	622
32	376	598	662
34	424	675	748
37	502	800	885
38	530	843	934
40	587	935	1035

Recommended field of use:

Diam. 6-8: small winches, lifting installations

Diam. 10-36: In drilling and extraction works for gas and petrol, underground mechanical transporters, elevators etc.

Delivered bright or galvanized.



Steel wire ropes 8x19Seale+FC
According to EN 12385-4

Diameter	Linear weight	Minimum breaking load	
		1770 N/mm ²	1960 N/mm ²
[mm]	[kg/100m]	[kN]	[kN]
8	21.8	33.2	36.8
10	34.0	51.9	57.4
11	41.1	62.8	69.5
12	49.0	74.7	82.7
14	66.6	102	113
16	87.0	133	147
18	110	168	186
20	136	207	230
22	165	251	278
24	196	299	331
26	230	351	388

Recommended field of use:

Elevators.

Delivered bright or galvanized.



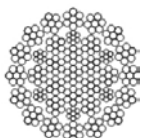
STEEL WIRE ROPES

SPECIAL CONSTRUCTION



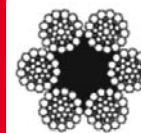
Anti-rotation steel wire ropes 19x7
According to EN 12385-4

Diameter [mm]	Linear weight [kg/100m]	Minimum breaking load	
		1770 N/mm ² [kN]	1960 N/mm ² [kN]
8	25.7	37.2	41.1
9	32.5	47.0	52.1
10	40.1	58.1	64.3
11	48.5	70.2	77.8
12	57.7	83.6	92.6
13	67.8	98.1	108.6
14	78.6	114	126
16	103	149	165
18	130	188	208
20	160	232	257
24	231	334	370
26	271	392	435
28	314	455	504
32	411	594	658
36	520	752	833



Concentric steel wire ropes 35Wx7
According to EN 12385-4

Diameter [mm]	Linear weight [kg/m]	Minimum breaking load	
		1770 N/mm ² [kN]	1960 N/mm ² [kN]
8	29.1	45.2	48.4
9	36.8	57.2	61.2
10	45.4	70.6	75.6
11	54.9	85.4	91.5
12	65.4	102	109
13	76.7	119	128
14	89.0	138	148
16	116	181	194
18	147	229	245
20	182	282	302
22	220	342	366
24	262	406	435
26	307	477	511
28	356	553	593
32	465	723	774
36	588	914	980
38	656	1019	1092
40	726	1129	1210
42	801	1245	1334
44	879	1366	1464
46	961	1493	1600



Steel wire ropes 6x36Warrington-Seale+FC
According to EN 12385-4

Diameter [mm]	Linear weight [kg/100m]	Minimum breaking load	
		1770 N/mm ² [kN]	1960 N/mm ² [kN]
14	71.9	114.5	126.8
16	94.0	149.5	165.6
18	118.9	189.2	209.6
19	132.5	210.9	233.5
20	146.8	233.6	258.7
22	178	283	313
24	211	336	373
25	229	365	404
26	248	395	437
28	288	458	507
30	330	526	582
32	376	598	662
36	476	757	838
38	530	843	934
40	587	935	1035
42	647	1030	1141
44	711	1131	1252
46	777	1236	1369
48	846	1346	1490
50	918	1460	1617
52	992	1579	1749
54	1070	1703	1886
56	1151	1832	2028
58	1235	1965	2176
60	1321	2103	2328

Recommended field of use:

Lifting machines (tower cranes, slide bridges), elevators, lifting machines for the extraction industry, mobile cranes with high lifting possibility, special installations, mine excavators.

Delivered bright or galvanized.

Recommended field of use:

Lifting machines (tower cranes, slide bridges), elevators, lifting machines for the extraction industry, mobile cranes with high lifting possibility, special installations, mine excavators.

Delivered bright or galvanized.

Recommended field of use:

Petrol extraction industry, slide bridges, cranes, special installations.

Delivered bright or galvanized.

GALVANIZED, FLEXIBLE STEEL WIRE ROPES



	no.	Type	Construction	Diameter	Approximate linear weight	Minimum breaking load
				[mm]	[kg/m]	[kgf]
	1	Commercial galvanized wire ropes Flexible construction 6x12+7FC	6x12	3	0.023	327
			6x12	4	0.040	582
			6x12	5	0.058	909
			6x12	6	0.092	1417
			6x12	8	0.165	2039
			6x12	10	0.235	2753
			6x12	12	0.360	5036
	2	Plasticized galvanized wire ropes Galvanized wire ropes, construction 6x7+FC, covered with a transparent PVC layer.	6x7+PVC	2/3	0.020	275
			6x7+PVC	3/4	0.040	595
			6x7+PVC	4/5 (4/6)	0.068	944
	3	Truck cargo wire ropes With metallic core(metal wire winding) Or with polypropylene core (PP wire)	Metal c.	3/6-MC	0.055	-
Metal c.			3/8-MC	0.119	-	
PP			3/6-PP	0.040	-	

Recommended field of use:

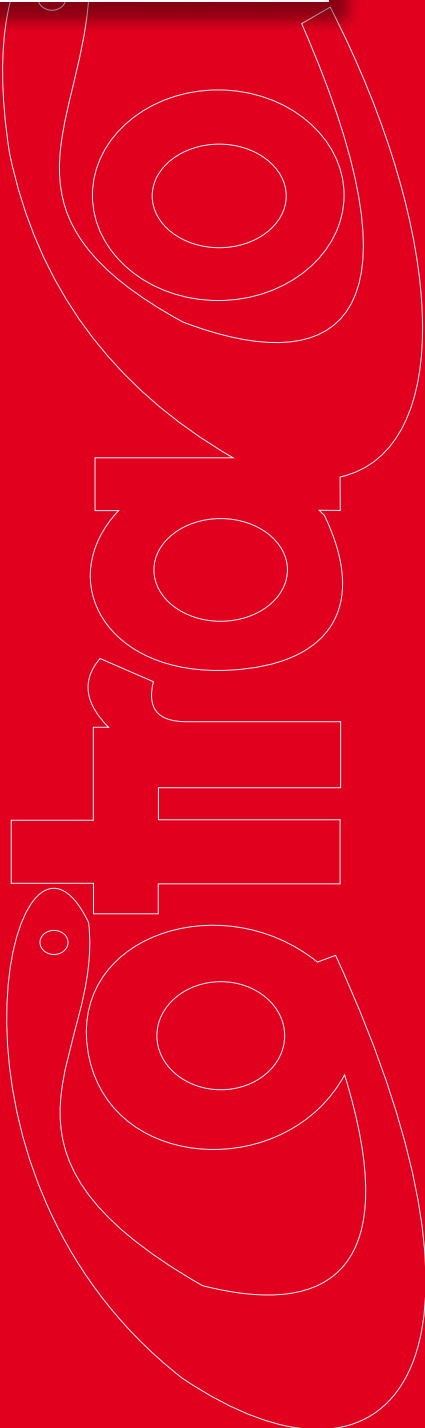
1. Galvanized commercial wire ropes and plasticized wire ropes: commercial use, various anchoring (tarpaulins, awnings, light objects), house use, decorative ensembles.

2. Truck cargo wire ropes: For anchoring truck tarpaulins, terrace tarpaulins, awnings etc.

The products are delivered in fixed length coils of 50 m or 100 m;

For exposing the products in shops, a display exhibitor is offered for custody;

The wire rope coils can be mounted on wire reels, mounted on 4 rows on the display exhibitor;



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