

BULGARA TRADE 17 LTD

CATALOGUE

- Steel wire ropes/cables
- Polypropylene, hemp, nylon ropes
- Steel wire rope slings
- Chain slings
- Polyester silk slings
- Supportive facilities for cargo
- Handling equipment
- Ship's tackle
- Flaw detector operators for steel ropes



www.bulgaratrade17.com



BULGARA TRADE 17 LTD

YOUR SAFETY IS OUR PRIORITY !

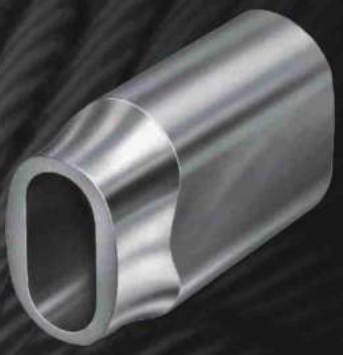
We present to your attention „Bulgara Trade 17“ LTD - a company, located on the territory of the town of Burgas, which focuses its activity on the area of loading and unloading facilities, ship's tackle, hoisting and fixing quality products of steel ropes, polypropylene ropes, chains, slings, polyester slings and others. We offer a pressing/crimp in steel wire rope slings, hydraulic-column press with press coverage of steel ropes with a diameter from Φ 6 mm up to Φ 60 mm. For our customers we offer a pressing in slings with tapered bushings, which smoothes the sling, clears articles of edges preventing snagging and tearing of the bushings.

This new for Bulgaria method completely replaces the manual labor in the tangled slings. The products are tested on a hydraulic testing stand to 150 tons strength. Stand is designed by special order for the needs of „Bulgara Trade 17“ LTD. It has digital - computer printout for the needs of the product.

Our products are accompanied by all the necessary documents required by ordinance for "Safe Operation and Technical Supervision of lifting gear" with effect from 18.10.2010, adopted by CM Decree No. 199/09.10.2010, published in the Gazette (State Journal), issue 73/17.09.2010.







- Certificate of quality of a manufacturer, issued on the basis of tests of another products.
- Declaration of Conformity.
- Instructions for exploitation.
- Copy of Protocol for tests (when necessary).

We offer absolutely free consultation by our specialists in the field of the loading and unloading, lifting and stabilization equipment.

Our motto is: YOUR SAFETY IS OUR PRIORITY !

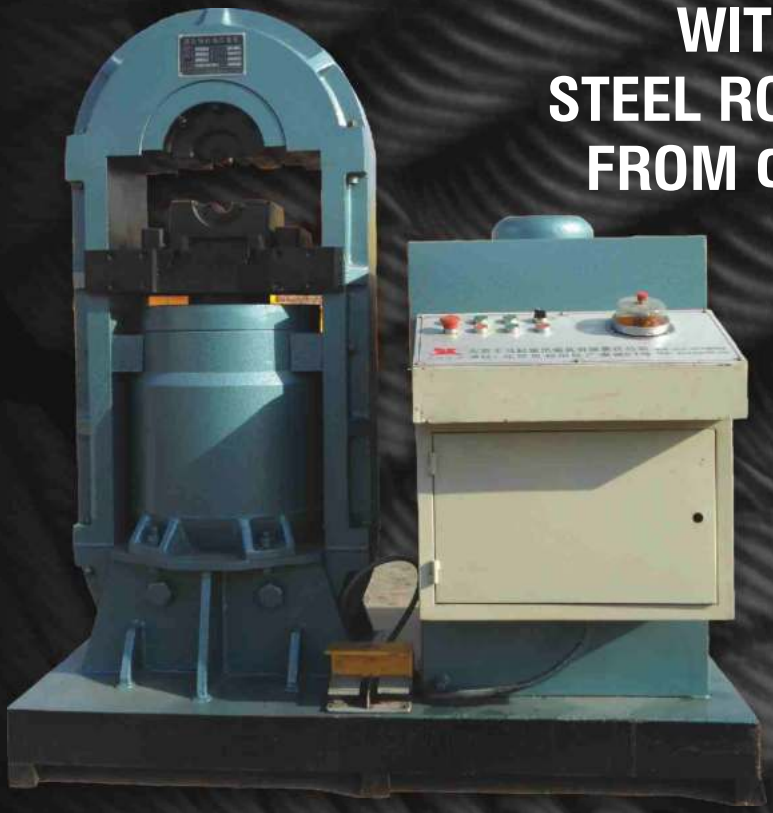
The company management is fully aware of the need for qualified personnel in the sphere of the loading and unloading, lifting and stabilization equipment. We do know that you trust your personnel’s life to us.

Your CHOICE today saves human life tomorrow.
THANK YOU FOR YOUR TRUST !



HYDRAULIC, TWO-COLUMN PRESS

WITH PRESS COVERAGE OF STEEL ROPES WITH A DIAMETER FROM Ф 6 мм UP TO Ф 60 мм





HYDRAULIC TESTING STAND UP TO 150 t STRENGTH IT HAS A DIGITAL-COMPUTER PRINTOUT FOR THE NEEDS OF THE PRODUCT GIVEN





FLAW DETECTOR FOR STEEL ROPES

Unique technology that allows non-destruction and damaging the rope, the detection and measurement of defects and deviations / internal and external fracture, abrasion, corrosion, fatigue and more /, proper assessment of the residual bearing capacity, condition of the wire rope safety and operational life based on the requirements of the relevant standards and specifications.



WE OFFER THE MOST EFFECTIVE SERVICES IN THE WORLD TODAY - FOR CLEANING AND LUBRICATION OF WIRE ROPES - WITH THE SYSTEM MEGAGROEP KIRKPATRICK.

The system allows only one application to clean all the dirt on the wire rope and its channels, while not uniformly applied lubricant on the surface and internal channels cleaned rope. The result is:

- One application is significantly extended service life of the rope.
- Excellent results at the moment.
- Cost savings by replacing old steel wire rope.

Until tjis moment, this system is the most innovative and well-supported method for wire ropes maintenance.



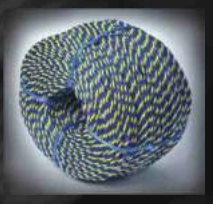


PRODUCT CATALOGUE CONTENTS:

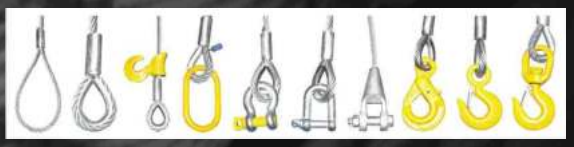
1. Page 7/11
WIRE ROPES



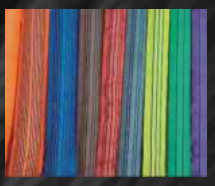
2. Page 12
NATURAL AND SYNTHETIC FIBER WIRE ROPES



3. Page 13/14
WIRE ROPES SLINGS



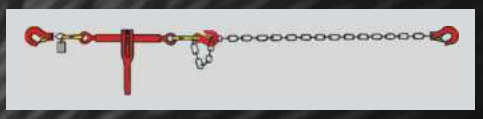
4. Page 15/20
POLYESTER SILK SLINGS



5. Page 21
FASTENING BELTS FOR LOADS



6. Page 22
CHAIN STRENGTHENING KIT FOR HEAVY LOADS



7. Page 23/24
CHAIN SLINGS



8. Page 23/29
ACCESSORIES TO HANDLING EQUIPMENT



9. Page 30/31
FEET GRIPS FOR LIFTING AND TRANSPORT; BLOCK PULLEYS





WIRE ROPES

We offer all kinds of wire ropes with different purpose.

1. Different in constructions: 6x19; 6x36; 6x37; 18x7;36x7, etc.

2. With an organic core: FC.

2. A. With metal core: IWR; IWS.

3. Different covering, depending on the environment, in which the ropes are intended to be used:

- **non-galvanized**
- **galvanized**
- **stainless steel**

4. With a different torsion:

left twisted



right twisted

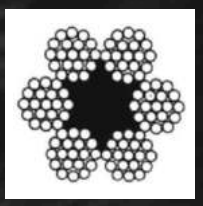


Each rope is accompanied by a certificate for quality by a manufacturer.





STEEL WIRE ROPE



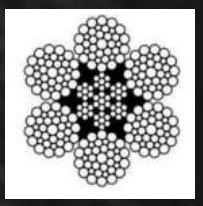
Under DIN 3060, analogue GOST 3070, construction 6x19 /galvanized or not galvanized/.

Application: for winches, tugs, lifts, fishing vessels, lifelines, beams, slings, etc.

WIRE DIAMETER	WEIGHT		MARKUP WIRE GROUP - Mpa									
			1670				1770		1870		1960	
			NOMINAL BREAKING FORCE									
D	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
MM	kg / 100 m.		KN									
2	1.38	1.55	2.08	2.25	2.22	2.40	2.35	2.54	2.48	2.69	2.60	2.81
3	3.10	3.48	4.69	5.07	4.99	5.40	5.29	5.72	5.59	6.04	5.86	6.33
4	5.50	6.19	8.34	9.02	8.87	9.59	9.40	10.2	9.93	10.7	10.4	11.3
5	8.60	9.68	13.0	14.1	13.9	15.0	14.7	15.9	15.5	16.8	16.3	17.6
6	12.4	13.9	18.8	20.3	20.0	21.6	21.2	22.9	22.4	24.2	23.4	25.3
7	16.9	19.0	25.5	27.6	27.2	29.4	28.8	31.1	30.4	32.9	31.9	34.5
8	22.0	24.8	33.4	36.1	35.5	38.4	37.6	40.7	39.7	43.0	41.7	45.0
9	27.9	31.3	42.2	45.7	44.9	48.6	47.6	51.5	50.3	54.4	52.7	57.0
10	34.4	38.7	52.1	56.4	55.4	60.0	58.8	63.5	62.1	67.1	65.1	70.4
11	41.6	46.8	63.1	68.2	67.1	72.5	71.1	76.9	75.1	81.2	78.7	85.1
12	49.5	55.7	75.1	81.2	79.8	86.3	84.6	91.5	89.4	96.7	93.7	101
13	58.1	65.4	88.1	95.3	93.7	101	99.3	107	105	113	110	119
14	67.4	75.9	102	110	109	118	115	125	122	132	128	138
16	88.1	99.1	133	144	142	153	150	163	159	172	167	180
17	99.4	112	151	163	160	173	170	184	179	194	188	203
18	112	125	169	183	180	194	190	206	201	218	211	228
20	138	155	209	225	222	240	235	254	248	269	260	281
22	167	187	252	273	268	290	284	308	300	325	315	341
24	198	223	300	325	319	345	338	366	358	387	375	405
26	233	262	352	381	375	405	397	430	420	454	440	476
28	270	303	409	442	435	470	461	498	487	526	510	552
30	310	348	469	507	499	540	529	572	559	604	586	633
30	352	396	534	577	568	614	602	651	636	687	666	721
34	398	447	603	652	641	693	679	735	718	776	752	813
36	446	502	676	730	719	777	762	824	805	870	843	912
38	497	559	753	814	801	866	849	918	896	969	940	1020
40	550	619	834	902	887	959	940	1020	993	1070	1040	1130
42	607	683	919	994	978	1060	1040	1120	1100	1180	1150	1240
44	666	749	1010	1090	1070	1160	1140	1230	1200	1300	1260	1360
46	728	819	1100	1190	1170	1270	1240	1340	1310	1420	1380	1490
48	793	892	1200	1300	1280	1380	1350	1460	1430	1550	1500	1620
50	860	968	1300	1410	1390	1500	1470	1590	1550	1680	1630	1760



STEEL WIRE ROPE



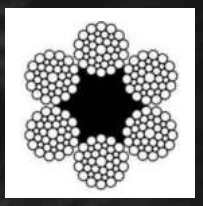
Under DIN 3064, analogue GOST 7668, construction 6x36 /galvanized or not galvanized/.

Application: for winches, tugs, lifts, slings , etc.

WIRE DIAMETER	WEIGHT		MARKUP WIRE GROUP - Mpa									
			1670				1770		1870		1960	
			NOMINAL BREAKING FORCE									
D	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
MM	kg / 100 m.		KN									
8	25.3	26.0	11.6	12.5	12.3	13.3	13.1	14.1	13.8	14.9	14.5	15.6
9	31.0	33.0	16.7	18.0	17.7	19.2	18.8	20.3	19.9	21.5	20.8	22.5
10	38.3	41.0	22.7	24.5	24.1	26.1	25.6	27.7	27.0	29.2	28.3	30.6
12	51.3	59.0	29.6	32.1	31.5	34.1	33.4	36.1	35.3	38.2	37.0	40.0
14	72.0	80.0	37.5	40.6	39.9	43.2	42.3	45.7	44.7	48.3	46.8	50.6
16	94.0	105	46.3	50.1	49.3	53.3	52.2	56.5	55.2	59.7	57.8	62.5
18	119	133	56.0	60.6	59.6	64.5	63.2	68.3	66.7	72.2	70.0	75.7
19	132	148	66.7	72.1	70.9	76.7	75.2	81.3	79.4	85.9	83.3	90.0
20	147	164	78.3	84.6	83.3	90.0	88.2	95.4	93.2	101	97.7	106
22	177	198	90.8	98.2	96.6	104	102	111	108	117	113	123
24	211	236	104	113	111	120	118	127	124	134	130	141
25	229	252	119	128	126	136	134	145	141	153	148	160
26	248	276	150	162	160	173	169	183	179	193	187	203
28	287	321	185	200	197	213	209	226	221	239	231	250
30	330	364	224	242	238	258	253	273	267	289	280	303
32	375	419	267	289	284	307	301	325	318	344	333	360
34	424	469	313	339	333	360	353	382	373	403	391	423
36	475	530	363	393	386	418	409	443	433	468	453	490
38	529	591	417	451	443	480	470	508	497	537	520	563
40	587	654	474	513	505	546	535	578	565	611	592	640
42	647	733	535	579	570	616	604	653	638	690	668	723
44	710	792	600	649	639	690	677	732	715	773	749	810
46	776	885	669	723	711	769	754	815	797	861	835	903
48	845	942	741	801	788	852	835	903	883	954	925	1000
50	917	998	817	884	869	940	921	996	973	1052	1020	1100
52	992	1110	897	970	954	1031	1011	1093	1068	1155	1120	1210
54	1070	1200	980	1060	1040	1130	1100	1190	1170	1260	1220	1320
56	1159	1280	1070	1150	1140	1230	1200	1300	1270	1370	1330	1440
58	1236	1330	1160	1250	1230	1330	1310	1410	1380	1490	1450	1560
60	1322	1470	1250	1350	1330	1440	1410	1530	1490	1610	1560	1690



STEEL WIRE ROPE



Under DIN 3066, analogue GOST 3071, construction 6x37 /galvanized or not galvanized/.

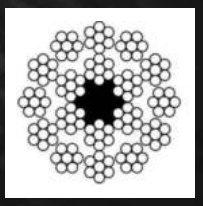
Application: for winches, tugs, lifts, slings, etc.

WIRE DIAMETER	WEIGHT		MARKUP WIRE GROUP - Mpa									
			1670				1770		1870		1960	
			NOMINAL BREAKING FORCE									
D	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
MM	kg / 100 m.		KN									
5	8.43	10.0	11.6	12.5	12.3	13.3	13.1	14.1	13.8	14.9	14.5	15.6
6	12.1	14.4	16.7	18.0	17.7	19.2	18.8	20.3	19.9	21.5	20.8	22.5
7	16.5	19.6	22.7	24.5	24.1	26.1	25.6	27.7	27.0	29.2	28.3	30.6
8	21.6	25.6	29.6	32.1	31.5	34.1	33.4	36.1	35.3	38.2	37.0	40.0
9	27.3	32.4	37.5	40.6	39.9	43.2	42.3	45.7	44.7	48.3	46.8	50.6
10	33.7	40.0	46.3	50.1	49.3	53.3	52.2	56.5	55.2	59.7	57.8	62.5
11	40.8	48.4	56.0	60.6	59.6	64.5	63.2	68.3	66.7	72.2	70.0	75.7
12	48.5	57.6	66.7	72.1	70.9	76.7	75.2	81.3	79.4	85.9	83.3	90.0
13	57.0	67.6	78.3	84.6	83.3	90.0	88.2	95.4	93.2	101	97.7	106
14	66.1	78.4	90.8	98.2	96.6	104	102	111	108	117	113	123
15	75.8	90.0	104	113	111	120	118	127	124	134	130	141
16	86.3	102	119	128	126	136	134	145	141	153	148	160
18	109	130	150	162	160	173	169	183	179	193	187	203
20	135	160	185	200	197	213	209	226	221	239	231	250
22	163	194	224	242	238	258	253	273	267	289	280	303
24	194	230	267	289	284	307	301	325	318	344	333	360
26	228	270	313	339	333	360	353	382	373	403	391	423
28	264	314	363	393	386	418	409	443	433	468	453	490
30	303	360	417	451	443	480	470	508	497	537	520	563
32	345	410	474	513	505	546	535	578	565	611	592	640
34	390	462	535	579	570	616	604	653	638	690	668	723
36	437	518	600	649	639	690	677	732	715	773	749	810
38	487	578	669	723	711	769	754	815	797	861	835	903
40	539	640	741	801	788	852	835	903	883	954	925	1000
42	595	706	817	884	869	940	921	996	973	1052	1020	1100
44	652	774	897	970	954	1031	1011	1093	1068	1155	1120	1210
46	713	846	980	1060	1040	1130	1100	1190	1170	1260	1220	1320
48	776	922	1070	1150	1140	1230	1200	1300	1270	1370	1330	1440
50	843	1000	1160	1250	1230	1330	1310	1410	1380	1490	1450	1560
52	911	1080	1250	1350	1330	1440	1410	1530	1490	1610	1560	1690
54	983	1170	1350	1460	1440	1550	1520	1650	1610	1740	1690	1820
56	1060	1250	1450	1570	1550	1670	1640	1770	1730	1870	1810	1960
58	1130	1350	1560	1680	1660	1790	1760	1900	1860	2010	1950	2100



STEEL WIRE ROPE

Under DIN 3069, analogue GOST 7681, construction 18x7 /galvanized or not galvanized/.

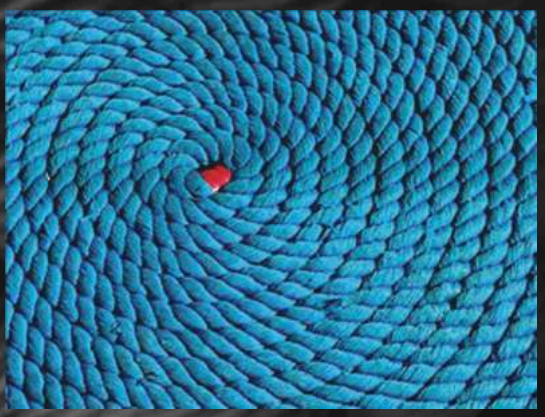


Application: for cranes, lifting equipment, etc.

WIRE DIAMETER	WEIGHT		MARKUP WIRE GROUP - Mpa		
			1570	1770	1970
			NOMINAL BREAKING FORCE		
D	FC	IWR/IWS	FC	FC	FC
MM	kg / 100 m.		KN		
6	13,8	14,8	-	20,2	22,4
7	18,7	22.0	-	27,6	30,5
8	24,4	28.0	32.0	36.0	39,9
9	30,9	35.0	40,5	45,5	50,4
10	38,2	42,3	50.0	56.0	62.0
11	46,2	49,5	61.0	68.0	75.0
12	55.0	58,9	72.0	81.0	90.0
13	64,6	69,8	84.0	95.0	105
14	74,9	77,3	98.0	110	122
16	97,8	103	128	144	160
18	124	155	162	182	202
20	153	178	200	225	249
22	185	205	242	273	302
24	220	255	288	324	358
26	258	303	338	381	421
28	299	355	392	441	489

FIBER ROPES

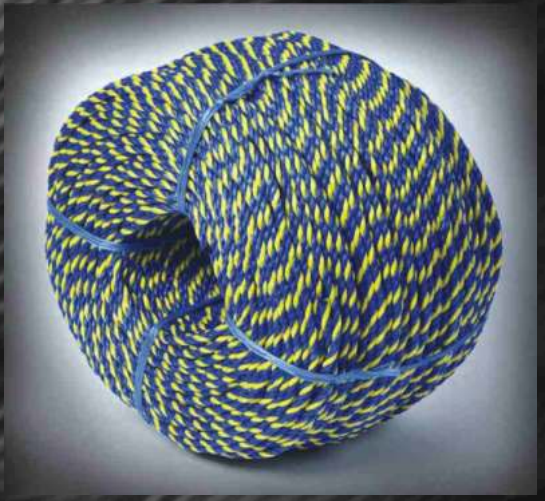




According to EN 696 - Polyamide (PA)
EN 697 - Polyester (PES)
EN 698 - Manila (M) and Sisal (Si)
EN 699 - Polypropylene (PP)
EN 1261 - Hemp (HA)

THE SYNTETHIC ROPES ARE IDELY APPLIED IN THE INDUSTRY, AND IN SOME SPORTS LIKE ALPINISM, SAILING, CAVING, ETC.







STEEL WIRE ROPE SLINGS

ACCORDING TO EN 13414-1

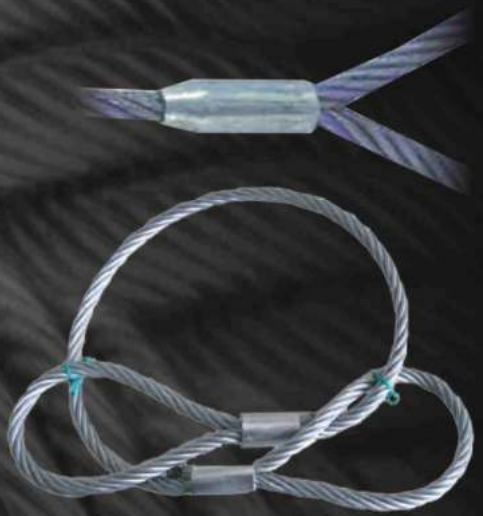
THE STEEL WIRE ROPE SLINGS MAY BE MANUFACTURED BY DIFFERENT IN CONSTRUCTION WIRE ROPES, DEPENDING ON THEIR PURPOSE, THEY CAN BE WITH TANGLED EDGES /MANUALLY TANGLED/, AND CRIMP WITH SLEEVES.

We offer a pressing/crimp in steel wire rope slings, hydraulic-column press with press coverage of steel ropes with a diameter from Φ 6 mm up to Φ 60 mm. For our customers we offer a pressing in slings with tapered bushings, which smooth the sling, clears articles of edges preventing snagging and tearing of the bushings.

This new for Bulgaria method completely replaces the manual labor in the tangled slings. The products are tested on a hydraulic testing stand to 150 tons strength. Stand is designed by special order for the needs of „Bulgara Trade 17“ LTD. It has digital - computer printout for the needs of the product.

Our products are accompanied by all the necessary documents required by ordinance for "Safe Operation and Technical Supervision of lifting gear" with effect from 18.10.2010, adopted by CM Decree No. 199/09.10.2010, published in the Gazette (State Journal), issue 73/17.09.2010.

- Certificate of quality of a manufacturer, issued on the basis of tests of another products.
- Declaration of Conformity.
- Instructions for exploitation.
- Copy of Protocol for tests (when necessary).



The articles are offered to the client with a markup with specified:

- Lifting capacity .
- Length .
- Manufacture Number.
- Manufacturer .

Slings may be equipped with various suspension elements: drawbars, kaushal, rings, hooks, etc.



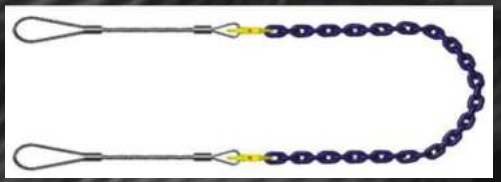


LIFTING CAPACITY OF WIRE ROPE SLINGS



DIAMETER OF WIRE ROPE D MM	LIFTING CAPACITY OF WIRE ROPE SLINGS-TONS										
	GRIPPING FACTOR				GRIPPING FACTOR						
4	0.160	0.128	0.320	0.224	0.2 85	0.228	0.570	0.399	0.224	0.280	0.360
5	0.280	0.224	0.560	0.392	0.400	0.320	0.800	0.560	0.392	0.490	0.620
6	0.400	0.320	0.800	0.560	0.630	0.500	1.260	0.882	0.560	0.800	1.000
7	0.550	0.440	1.100	0.770	0.800	0.640	1.600	1.120	0.780	1.080	1.200
8	0.700	0.560	1.400	0.980	1.000	0.800	2.000	1.400	0.980	1.300	1.650
9	0.870	0.696	1.740	1.218	1.250	1.000	2.500	1.750	1.200	1.680	1.850
10	1.000	0.800	2.000	1.400	1.600	1.280	3.200	2.240	1.400	1.820	2.360
11	1.250	1.000	2.500	1.750	2.000	1.600	4.000	2.800	1.750	2.270	2.800
12	1.500	1.200	3.000	2.100	2.500	2.000	5.000	3.500	2.100	2.730	3.500
13	1.800	1.440	3.600	2.520	2.850	2.280	5.700	3.990	2.520	3.276	3.960
14	2.150	1.720	4.300	3.010	3.200	2.560	6.400	4.480	3.010	3.600	4.500
15	2.400	1.920	4.800	3.360	4.000	3.200	8.800	5.600	3.360	4.250	5.500
16	2.750	2.200	5.500	3.850	4.850	3.880	9.700	6.790	3.850	4.800	6.200
18	3.450	2.760	6.900	4.830	5.575	4.460	11.150	7.805	4.800	5.200	7.350
19	3.900	3.120	7.800	5.460	5.920	4.736	11.840	8.288	5.460	6.250	8.000
20	4.350	3.480	8.700	6.090	6.300	5.040	12.600	8.820	6.090	7.650	9.250
21	4.800	3.840	9.600	6.720	8.050	6.440	16.100	11.270	6.720	8.736	10.250
22	5.250	4.200	10.500	7.350	9.050	7.240	18.100	12.670	7.300	9.555	11.500
24	6.300	5.000	12.600	8.820	10.000	8.000	20.000	14.000	8.820	11.500	14.250
26	7.250	5.800	14.500	10.150	11.250	9.000	22.500	15.750	10.150	13.200	15.600
27	8.000	6.400	16.000	11.200	12.500	10.000	25.000	17.500	11.200	14.560	17.800
28	8.750	7.000	17.500	12.250	13.700	10.960	27.400	19.180	12.250	16.000	19.750
30	10.125	8.100	20.250	14.175	14.850	11.880	29.700	20.790	14.175	18.000	20.250
31	10.750	8.600	21.500	15.050	16.000	12.800	32.000	22.400	15.000	19.250	22.000
32	12.500	10.000	25.000	17.500	18.250	14.600	36.500	25.550	16.875	21.000	24.250
33	13.500	10.800	27.000	18.900	20.000	16.000	40.000	28.000	18.000	22.500	27.800
36	14.250	11.400	28.500	19.950	24.250	19.400	48.500	33.950	19.250	24.000	30.000
39	17.750	14.200	35.500	24.850	28.350	22.680	56.700	39.690	24.000	30.000	36.850
42	19.500	15.600	39.000	27.300	32.000	25.600	64.000	44.800	26.325	32.850	40.000
44	21.250	17.000	42.500	29.750	35.250	28.200	75.500	49.350	28.750	35.850	44.850
46	23.750	19.000	47.500	33.250	38.050	30.440	76.100	53.270	32.000	40.000	50.000
48	25.500	20.400	51.000	35.700	40.000	32.000	80.000	56.000	34.425	43.000	53.000
50	27.750	22.200	55.500	38.850	44.250	35.400	88.500	61.950	37.465	46.800	58.000
52	30.000	24.000	60.000	42.000	48.850	39.080	97.700	68.390	40.500	50.652	63.250
54	32.000	25.600	64.000	44.800	54.250	43.400	108.500	75.950	43.200	54.000	67.500
56	33.750	27.000	67.500	47.250	57.500	46.000	115.500	80.500	45.560	56.800	72.250
58	37.250	29.800	74.500	52.150	60.250	48.200	120.500	84.350	50.280	62.800	78.000
60	40.750	32.600	81.500	57.050	63.250	50.600	126.500	88.550	55.000	68.765	85.000
62	42.500	34.000	85.000	59.500	68.550	54.840	137.100	95.970	57.350	71.650	88.500
64	44.250		88.500	61.950	74.250	59.400	148.500	103.950	39.250	74.000	92.000
68	48.000		96.000	67.200	80.000	64.000	160.000	112.000	64.800	81.000	100.000
70	52.500		105.000	73.500	85.250	68.200	170.500	119.350	70.850	88.000	110.000
72	54.750		109.500	76.650	90.500	72.400	181.000	126.700	74.000	92.500	115.000
76	58.250		116.500	81.550	95.750	76.600	191.500	134.050	78.000	97.500	120.000
82	64.000		128.000	89.600	100.000	80.000	200.000	140.000	86.400	108.000	135.000

We manufacture and combine slings:
rope + chain + rope
for lifting steel coils.





FLAT WOVEN STRIPS OF CHEMICAL FIBERS SLINGS ACCORDING TO EN 1492-1
ROUND SLINGS OF CHEMICAL FIBERS ACCORDING EN 1492-2

SLINGS OF POLYESTER SILK ARE LIGHT AND COMFORTABLE FOR EXPLOITATION. THEY DO NOT BREAK WHILI WORKING WITH LOADS, DO NOT HARM THE SURFACE WHICH THEY HAVE CONTACT WITH, THEY ARE RESISTENT TO MINERAL ACIDS, AND RESISTENT TO AGGRESSIVE ENVIRONMENT.

THE ROUND SLINGS ARE MANUFACTURED BY BUNDLE POLYESTER FIBERS, WRAPPED WITH HOSE LINE, EACH FIBER IS EQUALLY LOADED, BECAUSE OF THE EQUAL STRETCHING WHILE CARGO IS BEING LIFTED.

The products are tested on a hydraulic testing stand to 150 tons strength. Stand is designed by special order for the needs of „Bulgara Trade 17“LTD. It has digital - computer printout for the needs of the product.

Our products are accompanied by all the necessary documents required by ordinance for "Safe Operation and Technical Supervision of lifting gear" with effect from 18.10.2010, adopted by CM Decree No. 199/09.10.2010, published in the Gazette (State Journal), issue 73/17.09.2010.

- Certificate of quality of a manufacturer, issued on the basis of tests of another products.
- Declaration of Conformity.
- Instructions for exploitation.
- Copy of Protocol for tests (when necessary).



The articles are offered to the client with a markup with specified:

- Lifting capacity.
- Length.
- Manufacture Number.
- Manufacturer.

Slings may be equipped with various suspension elements: drawbars, kaushal, rings, hooks, etc.

LIFTING CAPACITY

WITH BELT AND ROUND SLINGSAT DIFFERENT TYPES OF GRIP

WIDTH OF BELT SLING mm.	DIAMETER OF ROUND SLING NOMINALLI mm.	FTING CAPACITY в kg.	LIFTING CAPACITY M=1.0 в kg.	LIFTING CAPACITY M=0.8 в kg.	LIFTING CAPACITY M=2.0 в kg.	LIFTING CAPACITY M=1.4 в kg.	LIFTING CAPACITY M=1.0 в kg.
30/50	30	1000	1000	800	2000	1400	1000
60	36	2000	2000	1600	4000	2800	2000
90	41	3000	3000	2400	6000	4200	3000
120	44	4000	4000	3200	8000	5600	4000
150	47	5000	5000	4000	10000	7000	5000
180	50	6000	6000	4800	12000	8400	6000
240	60	8000	8000	6400	16000	11200	8000
300	66	10000	10000	8000	20000	14000	10000
300-S	66	12000	12000	9600	24000	16800	12000

FLAT - ENDLESS SLINGS OF POLYESTER TAPE

ACCORDING TO EN 1492-1



TAPE COLOUR	TAPE WIDTH	TAPE LAYERS	MIN. LENGTH	MAX. LENGTH	LIFTING CAPACITY GRIP FACTOR				
								45°	60°
	мм.		м.	м.	kg.	kg.	kg.	kg.	kg.
violet	30	1	0.5	20	1000	800	2000	1400	1000
violet	30	2	0.5	20	2000	1600	4000	2800	2000
violet	30	3	0.5	20	3000	2400	6000	4200	3000
violet	30	4	0.5	20	4000	3200	8000	5600	4000
green	60	1	1.0	20	2000	1600	4000	2800	2000
green	60	2	1.0	20	4000	3200	8000	5600	4000
green	60	3	1.0	20	6000	4800	12000	8400	6000
green	60	4	1.0	20	8000	6400	16000	11200	8000
yellow	90	1	1.0	20	3000	2400	6000	4200	3000
yellow	90	2	1.0	20	6000	4800	12000	8400	6000
yellow	90	3	1.0	20	9000	7200	18000	12600	9000
yellow	90	4	1.0	20	12000	9600	24000	16800	12000
grey	120	1	2.0	50	4000	3200	8000	5600	4000
grey	120	2	2.0	50	8000	6400	16000	11200	8000
grey	120	3	2.0	50	12000	9600	24000	16800	12000
grey	120	4	2.0	50	16000	12800	32000	22400	16000
red	150	1	2.0	50	5000	4000	10000	7000	5000
red	150	2	2.0	50	10000	8000	20000	14000	10000
red	150	3	2.0	50	15000	12000	30000	21000	15000
red	150	4	2.0	50	20000	16000	40000	28000	20000
brown	180	1	2.0	50	6000	4800	12000	8400	6000
brown	180	2	2.0	50	12000	9600	24000	16800	12000
brown	180	3	2.0	50	18000	14400	36000	25200	18000
brown	180	4	2.0	50	24000	19200	48000	33600	24000
blue	240	1	3.0	50	8000	6400	16000	11200	8000
blue	240	2	3.0	50	16000	12800	32000	22400	16000
blue	240	3	3.0	50	24000	19200	48000	33600	24000
blue	240	4	3.0	50	32000	25600	64000	44800	32000
orange	300	1	3.0	50	10000	8000	20000	14000	10000
orange	300	2	3.0	50	20000	16000	40000	28000	20000
orange	300	3	3.0	50	30000	24000	60000	42000	30000
orange	300	4	3.0	50	40000	32000	80000	56000	40000
orange	300	5	3.0	50	50000	40000	100000	70000	50000



FLAT SLINGS WITH POLYESTER TAPE DRAWBARS

ACCORDING TO EN 1492-1





TAPE COLOUR	TAPE WIDTH	TAPE LAYERS	MIN. LENGTH	MAX. LENGTH	LIFTING CAPACITY GRIP FACTOR					LENGTH OF EAR
	мм.		м.	м.	kg.	kg.	kg.	kg.	kg.	мм.
violet	30	1	1.0	20	500	400	1000	700	500	90
violet	30	2	1.0	20	1000	800	2000	1400	1000	90
violet	30	3	1.0	20	1500	1200	3000	2100	1500	120
violet	30	4	1.0	20	2000	1600	4000	2800	2000	120
green	60	1	1.0	20	1000	800	2000	1400	1000	180
green	60	2	1.0	20	2000	1600	4000	2800	2000	180
green	60	3	1.0	20	3000	2400	6000	4200	3000	230
green	60	4	1.0	20	4000	3200	8000	5600	4000	230
yellow	90	1	1.0	50	1500	1200	3000	2100	1500	270
yellow	90	2	1.0	50	3000	2400	6000	4200	3000	270
yellow	90	3	1.0	50	4500	3600	9000	6300	4500	320
yellow	90	4	1.0	50	6000	4800	11200	8400	6000	320
grey	120	1	2.0	50	2000	1600	4000	2800	2000	360
grey	120	2	2.0	50	4000	3200	8000	5600	4000	360
grey	120	3	2.0	50	6000	4800	12000	8400	6000	420
grey	120	4	2.0	50	8000	6400	16000	11200	8000	420
red	150	1	2.0	50	2500	2000	5000	3500	2500	450
red	150	2	2.0	50	5000	4000	10000	7000	5000	450
red	150	3	2.0	50	7500	6000	15000	10500	7500	500
red	150	4	2.0	50	10000	8000	20000	14000	10000	500
brown	180	1	2.0	50	3000	2400	6000	4200	3000	450
brown	180	2	2.0	50	6000	4800	12000	8400	6000	450
brown	180	3	2.0	50	9000	7200	18000	12600	9000	520
brown	180	4	2.0	50	12000	9600	24000	16800	12000	520
blue	240	1	3.0	50	4000	3200	8000	5600	4000	600
blue	240	2	3.0	50	8000	6400	16000	11200	8000	600
blue	240	3	3.0	50	12000	9600	24000	16800	12000	700
blue	240	4	3.0	50	16000	12800	32000	22400	16000	700
orange	300	1	3.0	50	5000	4000	10000	7000	5000	750
orange	300	2	3.0	50	10000	8000	20000	14000	10000	750
orange	300	3	3.0	50	15000	12000	30000	21000	15000	850
orange	300	4	3.0	50	20000	16000	40000	28000	20000	850

TABLE FOR LIFTING CAPACITY OF ONE-TAPE, TWO-TAPE, THREE-TAPE NAD FOUR-TAPE SLINGS OF POLYESTER TAPE

ACCORDING TO EN 1492-1



TAPE COLOUR	TAPE WIDTH	LIFTING CAPACITY						
								
	мм.	t	0°до 45° t	45°до 60° t	0°до 45° t	45°до 60° t	0°до 45° t	45°до 60° t
violet	40	1.000	1.400	1.000	2.100	1.500	2.100	1.500
green	60	2.000	2.800	2.000	4.200	3.000	4.200	3.000
yellow	90	3.000	4.200	3.000	6.300	4.500	6.300	4.500
grey	120	4.000	5.600	4.000	8.400	6.000	8.400	6.000
red	150	5.000	7.000	5.000	10.500	7.500	10.500	7.500
brown	180	6.000	8.400	6.000	12.600	9.000	12.600	9.000
blue	240	8.000	11.200	8.000	16.600	12.000	16.600	12.000
orange	300	10.000	14.000	10.000	21.000	15.000	21.000	15.000
orange	300 S	12.000	16.000	12.000	24.000	18.000	24.000	18.000



ROUND - ENDLESS SLINGS OF POLYESTER FIBERS

ACCORDING TO EN 1492-2



TAPE COLOUR	MIN. LENGTH	MAX. LENGTH	LIFTING CAPACITY				
			GRIP FACTOR				
							
	м.	м.	kg.	kg.	kg.	kg.	kg.
violet	0.5	20	1000	800	2000	1400	1000
green	0.5	20	2000	1600	4000	2800	2000
yellow	0.5	50	3000	2400	6000	4200	3000
grey	0.5	50	4000	3200	8000	5600	4000
red	0.5	50	5000	4000	10000	7000	5000
brown	1.0	50	6000	4800	12000	8400	6000
blue	1.5	50	8000	6400	16000	11200	8000
orange	2.5	50	10000	8000	20000	14000	10000
orange	2.5	50	20000	16000	40000	28000	20000
orange	2.5	50	30000	24000	60000	42000	30000
orange	2.5	50	40000	32000	80000	56000	40000
orange	2.5	50	50000	40000	100000	70000	50000
orange	2.5	50	60000	48000	120000	84000	60000
orange	2.5	50	80000	64000	160000	112000	80000
orange	2.5	50	100000	80000	200000	140000	100000

ROUND SLINGS - WITH DRAWBARS OF POLYESTER FIBERS

ACCORDING EN 1492-2



TAPE COLOUR	MIN. LENGTH	MAX. LENGTH	TAPE WIDTH	LIFTING CAPACITY				
				GRIP FACTOR				
								
	м.	м.	мм.	kg.	kg.	kg.	kg.	kg.
violet	0.5	10	35	1000	800	2000	1400	1000
green	0.5	10	40	2000	1600	4000	2800	2000
yellow	0.5	20	50	3000	2400	6000	4200	3000
grey	0.5	20	60	4000	3200	8000	5600	4000
red	0.5	20	70	5000	4000	10000	7000	5000
brown	1.0	50	75	6000	4800	12000	8400	6000
blue	1.5	50	86	8000	6400	16000	11200	8000
orange	2.5	50	100	10000	8000	20000	14000	10000
orange	2.5	50	130	20000	16000	40000	28000	20000

TABLE FOR LIFTING CAPACITY OF ROUND SLINGS OF POLYESTER FIBERS: SINGLE, DOUBLE, TRIPLE, AND QUADRUPLE

ACCORDING TO EN 1492-2



TAPE COLOUR	TAPE DIAMETER	LIFTING CAPACITY						
								
	мм.	t	0° до 45° t	45° до 60° t	0° до 45° t	45° до 60° t	0° до 45° t	45° до 60° t
violet	30	1.000	1.400	1.000	2.100	1.500	2.100	1.500
green	36	2.000	2.800	2.000	4.200	3.000	4.200	3.000
yellow	41	3.000	4.200	3.000	6.300	4.500	6.300	4.500
grey	44	4.000	5.600	4.000	8.400	6.000	8.400	6.000
red	47	5.000	7.000	5.000	10.500	7.500	10.500	7.500
brown	50	6.000	8.400	6.000	12.600	9.000	12.600	9.000
blue	60	8.000	11.200	8.000	16.600	12.000	16.600	12.000
orange	66	10.000	14.000	10.000	21.000	15.000	21.000	15.000
orange	66	12.000	16.000	12.000	24.000	18.000	24.000	18.000



GIRDERS FOR LOAD
ACCORDING TO EN 12195-2



THE GIRDERS FOR LOAD ARE SUITABLE FOR AT ROAD, RAILWAY, SEA AND AIR TRANSPORT.

The products are tested on a hydraulic testing stand to 150 tons strength. Stand is designed by special order for the needs of „Bulgara Trade 17“LTD. It has digital - computer printout for the needs of the product.

Our products are accompanied by all the necessary documents required by ordinance for "Safe Operation and Technical Supervision of lifting gear" with effect from 18.10.2010, adopted by CM Decree No. 199/09.10.2010, published in the Gazette (State Journal), issue 73/17.09.2010.

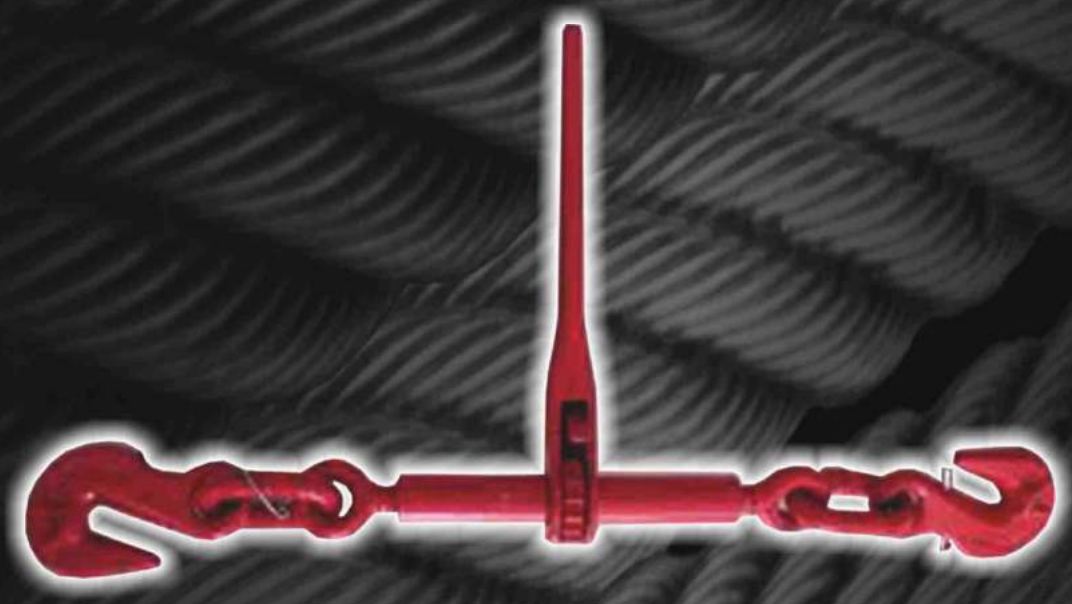
- Certificate of quality of a manufacturer, issued on the basis of tests of another products.
- Declaration of Conformity.
- Instructions for exploitation.
- Copy of Protocol for tests (when necessary).

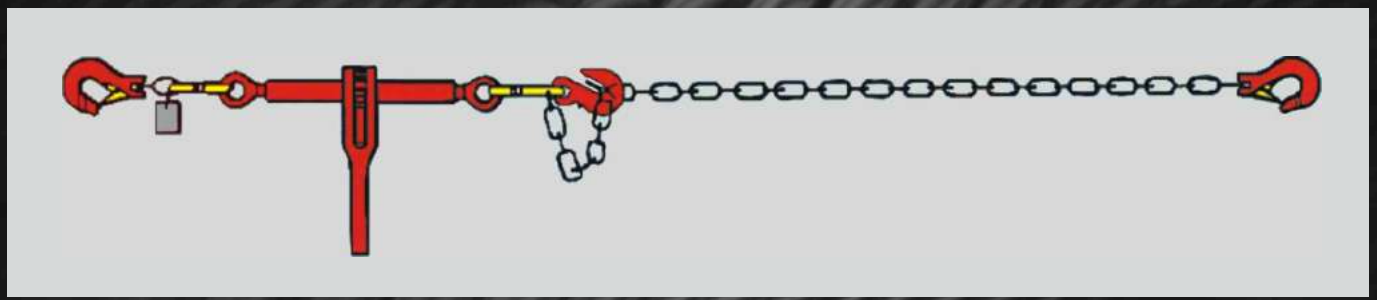
The articles are offered to the client with a markup with specified:

- Lifting capacity.
- Length.
- Manufacture Number.
- Manufacturer.

TAPE WIDTH MM.	BREAKING EFFORT /daN/		NOMINAL STRENGHTENING FORCE /daN/
25	500	1000	100
35	2000	4000	350
50	5000	10000	550
75	10000	20000	700

CHAIN KIT FOR STRENGTHENING OF HEAVY LOADS BY RATCHET WRENCHES





CHAIN DIAMETER мм.	DOMINAL STRENGHTENING EFFORT daN	BREAKING EFFORT daN	STANDARD LENGTH мм.	WEIGHT kg.
ф 6-8	2200	4520	3000	5.25
ф 8-10	4000	8040	3000	11.60
ф 10-13	6300	12600	3000	14.70
ф 13-16	10000	21200	3000	21.15

CHAIN SLINGS
ACCORDING TO EN 818-4



THE CHAIN SLINGS HAVE SIGNIFICANTLY LONGER EXPLOITATION LIFE. THEY ARERESISTANT TO TEMPERATURE CHANGES.

The products are tested on a hydraulic testing stand to 150 tons strength. Stand is designed by special order for the needs of „Bulgara Trade 17“LTD. It has digital - computer printout for the needs of the product.

Our products are accompanied by all the necessary documents required by ordinance for "Safe Operation and Technical Supervision of lifting gear" with effect from 18.10.2010, adopted by CM Decree No. 199/09.10.2010, published in the Gazette (State Journal), issue 73/17.09.2010.

Certificate of quality of a manufacturer, issued on the basis of tests of another products.

- **Declaration of Conformity.**
- **Instructions for exploitation.**
- **Copy of Protocol for tests (when necessary).**

The articles are offered to the client with a markup with specified:

- **Lifting capacity.**
- **Length.**
- **Manufacture Number.**
- **Manufacturer.**

Slings may be equipped with various suspension elements, which if necessary can be replaced.

There is an opportunity to shorten the chainrings.



TABLE FOR LIFTING CAPACITY OF CHAIN SLINGS CLASS 8: ONE CHAIN, TWO CHAINS, THREE CHAINS, AND FOUR CHAINS

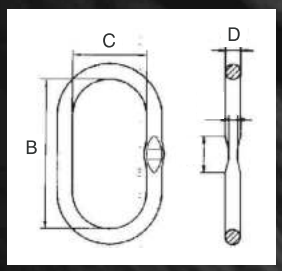


DIAMETER OF THE CHAIN	LIFTING CAPACITY						
							
мм.	t	0° до 45° t	45° до 60° t	0° до 45° t	45° до 60° t	0° до 45° t	45° до 60° t
Ф 6	1.120	1.600	1.120	2.360	1.700	2.360	1.700
Ф 8	2.000	2.800	2.000	4.250	3.000	4.250	3.000
Ф 10	3.150	4.250	3.150	6.700	4.750	6.700	4.750
Ф 13	5.300	7.500	5.300	11.200	8.000	11.200	8.000
Ф 16	8.000	11.200	8.000	17.000	11.800	17.000	11.800
Ф 18	10.000	14.000	10.000	21.200	15.000	21.200	15.000
Ф 20	12.500	17.000	12.500	26.500	19.000	26.500	19.000
Ф 22	15.000	21.200	15.000	31.500	22.400	31.500	22.400
Ф 26	21.200	30.000	21.200	45.000	31.500	45.000	31.500
Ф 28	25.000	33.500	25.000	50.000	37.500	50.000	37.500
Ф 32	31.500	45.000	31.500	67.000	47.500	67.000	47.500

ASSESSORIES FOR HANDLING EQUIPMENT

RING - SINGLE

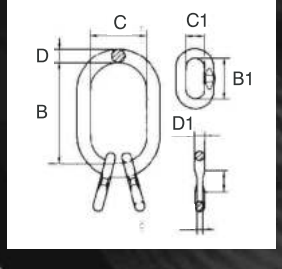




DIMENSIONS					
∧	D	B	C	WEIGHT	LIFTING CAPACITY
Ф	мм.			kg.	kg.
6	13	110	60	0.35	1600
7	16	100	60	0.60	2120
8	18	135	75	0.80	3150
10	22	160	90	1.50	5300
13	26	180	100	2.32	8000
16	32	200	110	4.25	11200
18	36	260	140	6.35	14000
20	40	300	160	9.00	17000

RING - TRIPLE

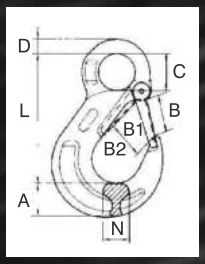




DIMENSIONS							
D	B	C	D1	B1	C1	WEIGHT	LIFTING CAPACITY
мм.						kg.	kg.
18	135	75	13	54	25	1.16	2360
18	135	75	13	54	25	1.16	3150
22	160	90	16	70	34	2.22	4250
26	180	100	18	85	40	3.36	6700
32	200	110	22	115	50	6.02	11200
36	260	140	26	140	65	9.94	17000
45	340	180	32	150	70	18.90	21200
50	350	190	32	150	70	23.30	26500
50	350	190	36	170	75	25.80	31500

HOOK AND DRAWBAR WITH FUSE

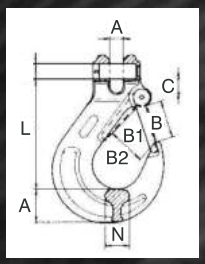




DIMENSIONS										
TYPE	B	B1	B2	D	C	L	N	A	WEIGHT	LIFTING CAPACITY
Ф	мм.								kg.	kg.
6	25.0	25.0	20.5	8.50	20.5	80.5	14.5	20.0	0.24	1120
7-8	29.5	25.5	24.5	11.0	25.0	95.5	19.0	27.0	0.53	2000
10	35.7	30.5	29.0	14.0	34.0	120.5	23.5	33.0	0.95	3150
13	43.5	41.0	35.4	17.5	42.5	150.0	29.0	40.0	1.17	5300
16	52.5	50.0	44.0	22.0	52.0	183.0	35.5	49.0	3.00	8000
20	62.5	60.0	54.0	25.0	62.0	217.5	42.0	55.0	5.40	12500
22	76.0	75.0		30.0	72.0	260.0	51.5	67.0	9.90	15000
26	81.0	72.0		32.0	53.0	280.0	57.0	78.0	10.40	21200
32	87.0	83.0		38.0	84.0	315.0	66.0	88.0	16.60	31500

HOOK CHAIN WITH FUSE

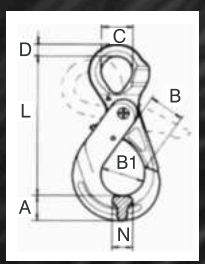




DIMENSIONS										
TYPE	B	B1	B2	A	C	N	A	L	WEIGHT	LIFTING CAPACITY
Ф	мм.								kg.	kg.
6	25.0	24.5	20.5	6.7	8.50	14.5	20.0	73.0	0.24	1120
7-8	29.5	25.5	24.5	8.7	9.80	19.0	27.0	86.3	0.53	2000
10	35.7	30.5	29.0	12.2	13.5	23.5	33.0	105.0	0.95	3150
13	43.5	40.0	35.4	17.0	28.5	40.0	40.0	128.5	1.67	5300
16	52.5	50.0	44.0	19.0	19.5	35.5	46.0	155.3	3.00	8000
20	62.5	60.0	54.0	21.0	26.0	42.0	55.0	184.0	5.40	12500

SELF-LOCKING HOOK WITH DRAWBAR



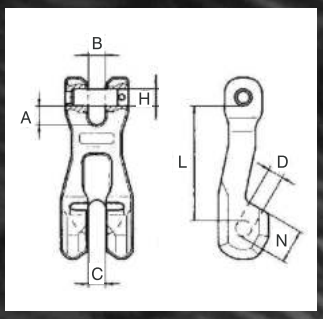


DIMENSIONS									
TYPE	B	D	C	L	B1	N	A	WEIGHT	LIFTING CAPACITY
Ф	мм.							kg.	kg.
7-8	27.5	10	26	112.3	36	17	21	1.55	2000
10	38.0	13	33	151.0	46	22	27	1.12	3150
13	46.0	16	42	185.0	60	28	34	2.22	5300
16	57.0	18	52	230.0	75	32	43	4.00	8000



ADJUSTMENT FOR CHAIN / HOOK

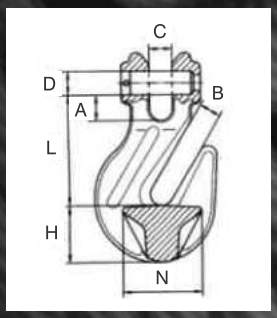




DIMENSIONS								
TYPE	C-B	A	D	N	L	H	WEIGHT	LIFTING CAPACITY
Φ	мм.						kg.	kg.
6	6.7	8.5	7	11.8	45.4	7	0.16	1120
7-8	8.7	10.0	9	16.5	62.0	9	0.40	2000
10	12.5	14.0	12	25.0	87.5	13	0.94	3150
13	16.5	17.0	15	32.5	115	16	1.92	5300
16	20.5	19.0	19	39.0	143	21	3.16	8000

REDUCING HOOK

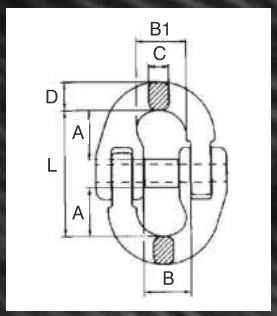




DIMENSIONS									
TYPE	B	C	A	D	L	N	H	WEIGHT	LIFTING CAPACITY
Φ	мм.							kg.	kg.
7-8	10	9	10	9	50	30.0	23.5	0.27	2000
10	13	13	14	13	72	44.0	31.4	0.75	3150
13	17	17	17	16	88	52.5	38.0	1.35	5300
16	20	21	20	21	102	64.0	44.3	2.30	8000
20	24	24	24	24	117	85.0	53.3	4.10	12500
22	26	26	26	26	139	97.0	61.5	5.65	15000

KENTER UNIT FOR CHAIN

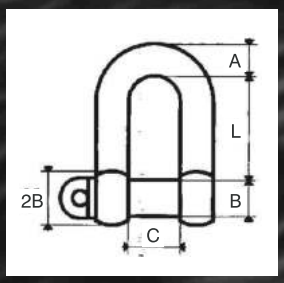




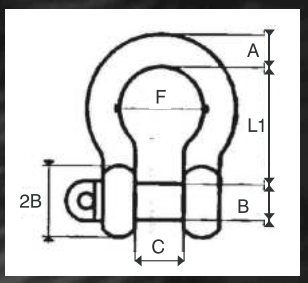
DIMENSIONS								
TYPE	B	A	B1	L	D	C	WEIGHT	LIFTING CAPACITY
Φ	мм.						kg.	kg.
6	16.0	18	16.5	46	7.2	6.8	0.07	1120
7	18.5	20	20.0	49	8.5	7.7	0.10	1500
8	22.7	26	25.0	70	9.4	9.0	0.25	2000
10	25.0	32	27.0	77	12.0	11.0	0.35	3150
13	30.0	35	32.0	85	15.5	15.5	0.68	5300
16	36.0	43	39.0	103	18.5	18.5	1.10	8000
20	44.0	48	47.0	116	23.0	23.0	1.70	12500
22	49.0	51	55.0	133	26.5	26.5	2.20	15000
26	60.0	60	66.0	148	31.5	31.5	4.20	21200
32	67.0	69	79.0	183	37.0	37.0	7.19	31500

SHACKLE TYPE D - STRAIGHT SHACKLE AND TYPE OMEGA









LIFTING CAPACITY	DIMENSIONS mm.							
				STRAIGHT SHACKLE		OMEGA SHACKLE		
t	A	B	C	L	kg.	L1	F	kg.
0.33	5	6	9.5	19	0.02	22	16	0.02
0.50	7	8	12	25	0.06	29	20	0.06
0.75	9	10	13.5	27	0.11	32	21	0.11
1.00	10	11	17	31	0.15	36.5	26	0.15
1.50	11	12	19	37	0.21	43	29	0.21
2.00	13	16	22	43	0.38	51	32	0.44
3.25	16	19	27	51	0.66	64	43	0.79
4.75	19	22	31	59	1.05	76	51	1.26
6.50	22	25	36	73	1.46	83	58	1.88
8.50	25	28	43	85	2.59	95	68	2.79
9.50	28	32	47	90	3.34	100	75	3.80
12.00	32	35	51	94	4.74	115	83	5.26
13.50	35	38	57	115	6.19	133	95	7.00
17.00	38	42	60	127	7.60	146	99	8.80
25.00	45	50	74	149	12.82	178	126	15.00
35.00	50	57	83	171	18.16	197	138	20.65
42.50	57	65	95	190	27.80	222	160	29.30
55.00	65	70	105	203	35.10	254	180	41.00
85.00	75	80	127	230	60.00	330	190	64.50
120.00	98	95	146	267	93.00	381	238	109.50
150.00	102	108	165	400	145.00	400	275	160.00

GLOVE COMPARTMENTS AND KAUSHAL FOR STEEL ROPES

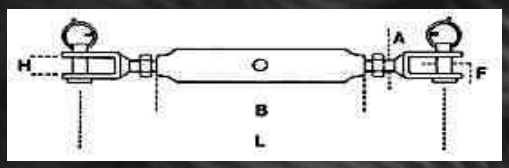






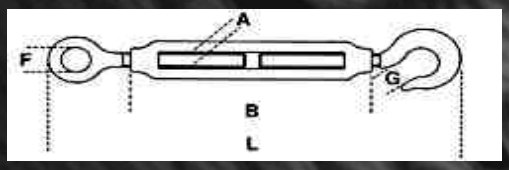
TURNBUCKLES





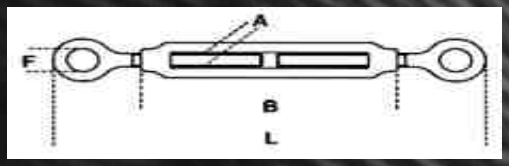
DIMENSION A / мм.	BODY B / мм.	MAX L / мм.	LIFTING CAPACITY kg.
5	85	200	250
6	95	230	375
8	110	260	740
10	130	290	1100
12	160	380	1590
16	195	490	2400
20	215	540	3120





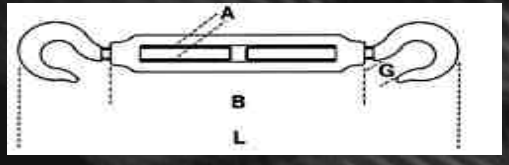
DIMENSION A / мм.	BODY B / мм.	MAX L / мм.	LIFTING CAPACITY kg.
5	75	170	180
6	100	230	270
8	125	280	360
10	150	350	550
12	200	480	1000
16	250	580	1590
20	300	710	2400





DIMENSION A / мм.	BODY B / мм.	MAX L / мм.	LIFTING CAPACITY kg.
5	75	170	180
6	100	230	270
8	125	280	360
10	150	350	550
12	200	480	1000
16	250	580	1590





DIMENSION A / мм.	BODY B / мм.	MAX L / мм.	LIFTING CAPACITY kg.
5	75	170	180
6	100	230	270
8	125	280	360
10	150	350	550
12	200	480	1000
16	250	580	1590

FEET FOR LIFTING AND TRANSPORT OF TIN, METAL SHEET, BEAMS ETC.

Feet for horizontal transport of metal sheet type AB-1



LIFTING CAPACITY	PAIR OF LIFTING CAPACITY	GRIP SCOPE	GRIP SCOPE
kg.	kg.	мм.	kg.
750	1500	0 - 25	2.4
1500	3000	0 - 30	3.9
2500	5000	0 - 40	13.4

Feet for horizontal transport of metal sheet type AB-2



LIFTING CAPACITY	PAIR OF LIFTING CAPACITY	GRIP SCOPE	GRIP SCOPE
kg.	kg.	мм.	kg.
750	1500	0 - 50	4.3
1500	3000	0 - 50	7.7
2500	5000	0 - 50	14.1

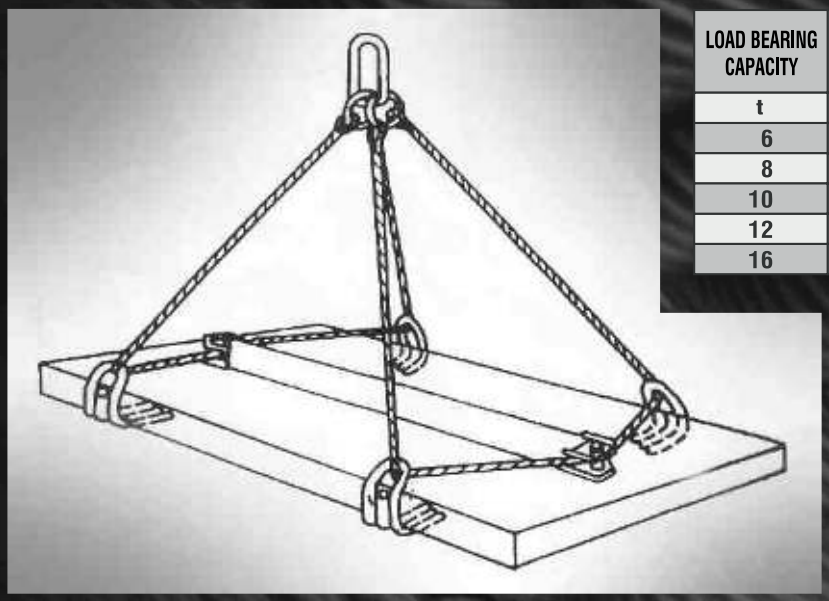
Feet for lifting transport of metal sheet in vertical position type AB-3





LIFTING CAPACITY	GRIP SCOPE
kg.	мм.
1000	0 - 20
2000	0 - 25
3000	0 - 35
5000	0 - 50

GRIP TUTU FOR TRANSPORT OF METAL SHEET



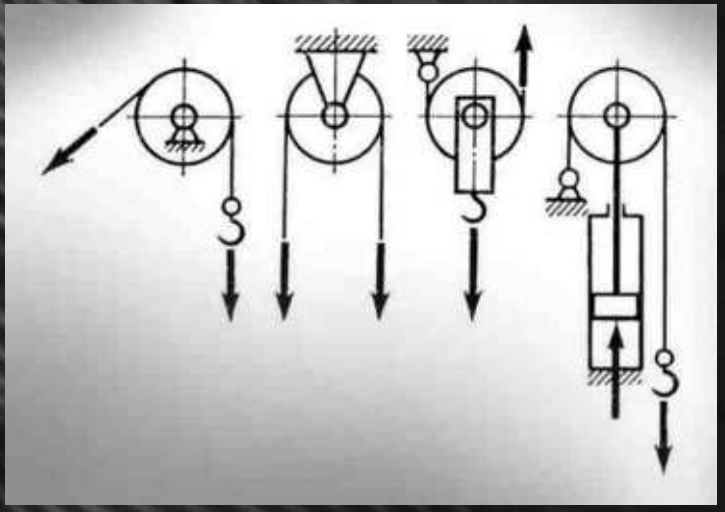
LOAD BEARING CAPACITY	TUTU METAL SHEET	BEAM SIZE	WIRE ROPE Ф=/L=	RING	FEET
t		м.	мм./м.	мм.	мм.
6	1500 x 4000	2.3	16 мм. / 8 м.	Ф 30	Ф 30
8	1500 x 6000	4.0	18 мм. / 9 м.	Ф 30	Ф 30
10	2000 x 8000	6.0	21 мм. / 10.5 м.	Ф 40	Ф 40
12	2000 x 12000	9.0	24 мм. / 12 м.	Ф 40	Ф 40
16	2500 x 12000	9.0	26 мм. / 12.6 м.	Ф 50	Ф 40

BLOCK REELS

"BLOCK" a simple mechanism in the form of a wheel with a groove around the circumference, in which a rope runs. Serves to change the direction of motion and increases strength or speed. In use "block" are divided into:

- Steering
- Alignment
- Mobile
- Touchdown (actuator)





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