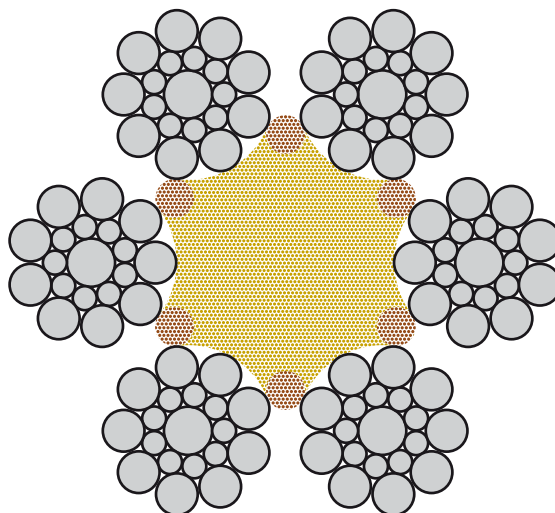




RoBoLift 6M

6-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - SFC, NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

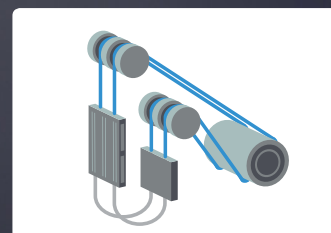
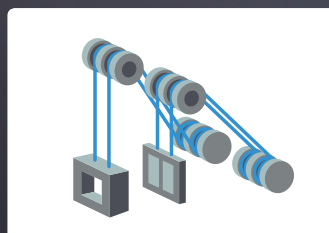
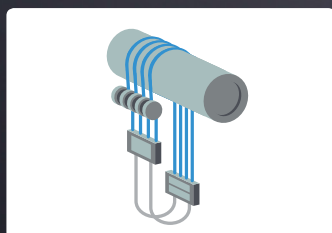
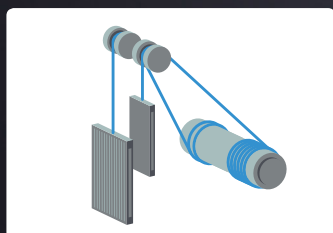
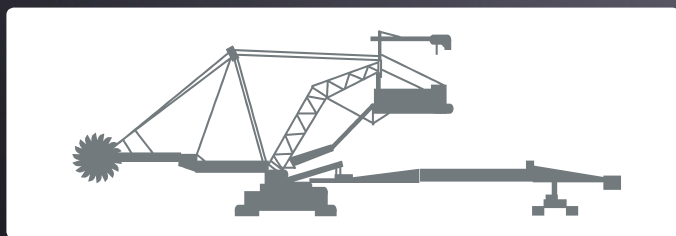


Average fill factor 0,519

Diameter tolerance +2/+5%

APPLICATION

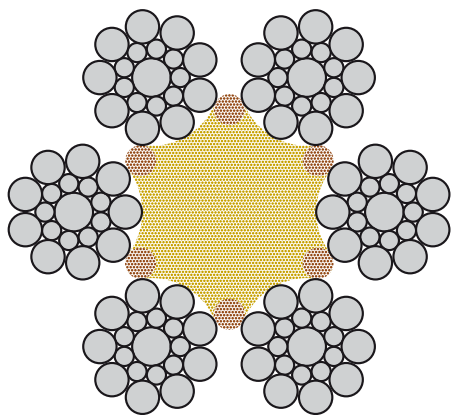
- Deep mining
- Surface mining



RoBoLift 6M

6x19S - SFC

Ø 12 - 36 mm



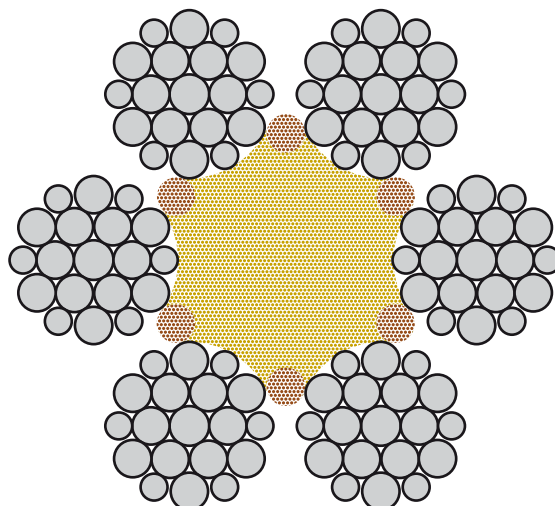
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
12	0,53	91,7	103,4	114,5	80	90	99
13	0,63	109,4	123,4	136,6	93	105	116
14	0,71	124,5	140,4	155,5	108	122	135
15	0,82	143,0	161,2	178,5	124	140	155
16	0,94	164,2	185,1	205,0	141	159	176
17	1,06	185,1	208,7	231,1	159	180	199
18	1,18	204,9	231,0	255,8	179	201	223
19	1,33	233,0	262,7	290,9	199	224	248
20	1,46	256,4	289,1	320,1	220	248	275
21	1,61	283,2	319,3	353,6	243	274	303
22	1,77	309,8	349,3	386,8	266	300	333
23	1,94	340,0	383,6	424,8	291	328	363
24	2,11	369,6	416,6	461,4	317	357	396
25	2,25	393,5	443,7	491,3	344	388	429
26	2,47	432,1	487,2	536,8	372	419	464
27	2,70	472,5	532,7	584,3	401	452	501
28	2,85	499,6	563,3	617,7	431	486	538
29	3,09	541,0	609,9	669,1	463	521	577
30	3,28	572,7	642,1	708,2	495	558	618
31	3,53	616,2	690,9	762,0	529	596	660
32	3,79	660,3	740,4	816,6	563	635	703
33	4,05	705,8	791,5	873,1	599	675	748
34	4,21	734,6	823,7	908,5	636	717	794
35	4,53	791,3	887,3	978,7	674	759	841
36	4,75	830,9	931,5	1037,4	713	803	890

Values indicated in the table are reference only.
MBL of other diameters only for request.

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RoBoLift 6M

6-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - SFC, NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

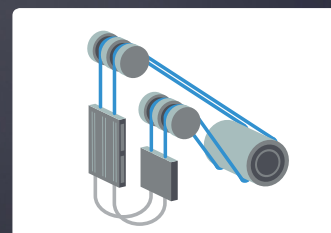
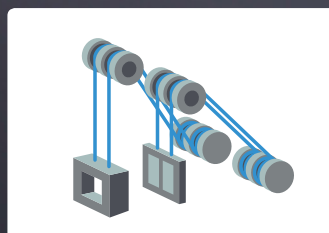
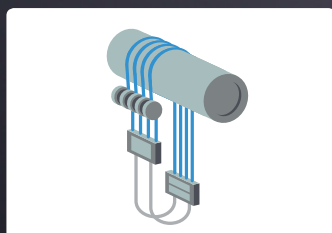
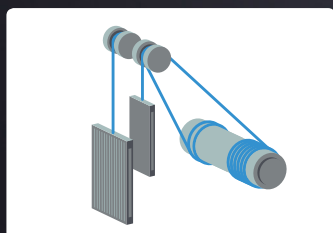
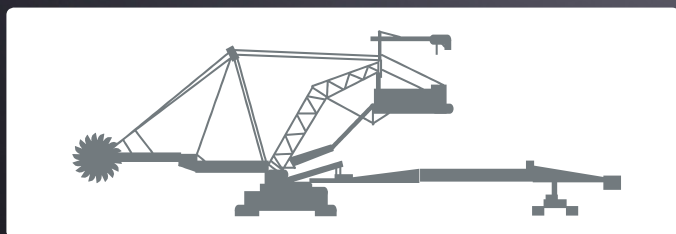


Average fill factor 0,527

Diameter tolerance +2/+5%

APPLICATION

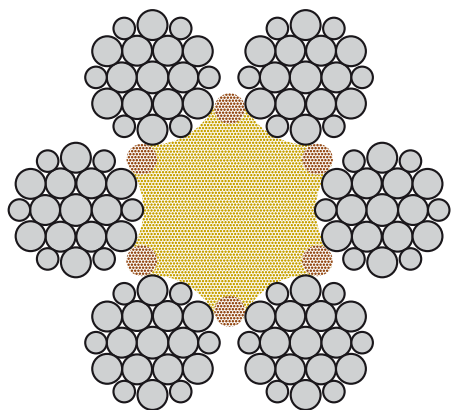
- Deep mining
- Surface mining



RoBoLift 6M

6x19W - SFC

Ø 12 - 40 mm



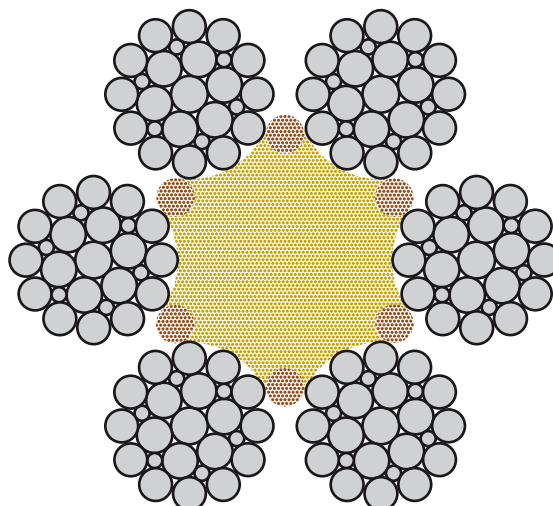
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
12	0,54	93,9	105,9	117,3	79	89	99
13	0,65	113,4	127,9	141,6	93	105	116
14	0,74	128,5	144,9	160,4	108	121	134
15	0,82	142,4	160,5	177,8	123	139	154
16	0,97	169,2	190,8	211,3	140	158	175
17	1,09	191,0	215,3	238,4	158	179	198
18	1,21	211,5	238,4	264,0	178	200	221
19	1,32	231,3	260,8	288,8	198	223	247
20	1,46	256,7	289,3	320,4	219	247	273
21	1,66	291,0	328,0	363,2	241	272	301
22	1,79	314,5	354,5	392,6	265	299	331
23	1,95	343,2	387,0	428,5	290	326	361
24	2,14	377,0	425,0	470,6	315	355	393
25	2,33	408,7	460,8	510,3	342	385	427
26	2,51	442,2	498,5	552,0	370	417	462
27	2,68	470,7	530,6	587,6	399	450	498
28	2,90	508,3	573,0	634,5	429	483	535
29	3,11	545,1	614,5	680,5	460	519	574
30	3,34	584,6	659,1	729,9	492	555	614
31	3,54	620,1	699,1	774,2	526	592	656
32	3,79	664,8	749,4	829,9	560	631	699
33	4,01	704,7	794,4	879,7	595	671	743
34	4,24	745,7	840,7	931,0	632	713	789
35	4,52	796,3	897,8	994,1	670	755	836
36	4,74	835,4	941,8	1042,9	709	799	884
38	5,31	937,9	1057,4	1170,9	789	890	985
39	5,59	987,6	1113,4	1233,0	832	937	1038
40	5,80	1026,1	1156,8	1281,0	875	986	1095

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RoBoLift 6M

6-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - SFC, NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

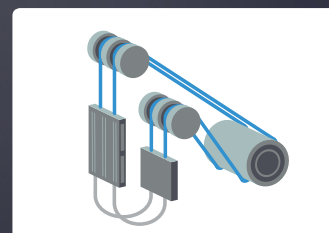
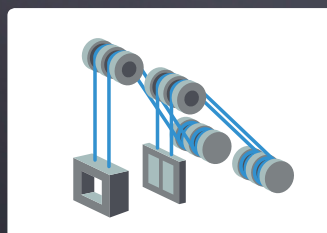
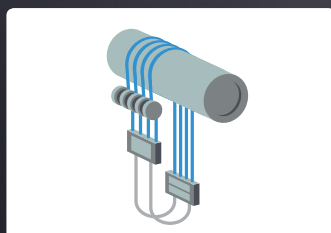
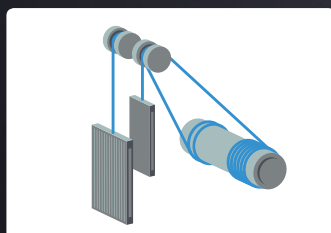
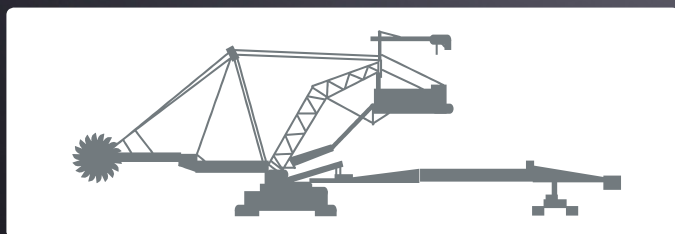


Average fill factor 0,526

Diameter tolerance +2/+5%

APPLICATION

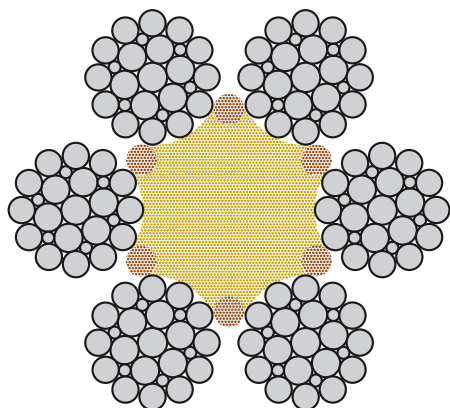
- Deep mining
- Surface mining



RoBoLift 6M

6x25F - SFC

Ø 14 - 44 mm



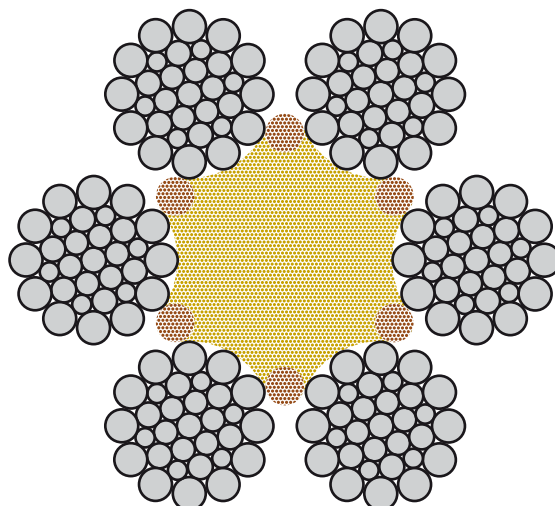
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
14	0,73	126,5	142,6	157,9	108	122	135
15	0,82	143,5	161,7	179,1	124	140	155
16	0,94	164,8	185,8	205,8	141	159	176
17	1,08	187,4	211,2	233,9	159	180	199
18	1,20	209,4	236,1	261,4	179	201	223
19	1,35	235,1	265,0	293,5	199	224	248
20	1,49	260,5	293,7	325,2	220	248	275
22	1,80	315,4	355,6	393,8	266	300	333
23	1,94	340,0	383,3	424,5	291	328	363
24	2,16	378,6	426,8	472,6	317	357	396
25	2,30	401,9	453,1	501,7	344	388	429
26	2,50	437,2	492,9	545,8	372	419	464
27	2,70	472,1	532,2	589,4	401	452	501
28	2,94	515,7	581,4	643,8	431	486	538
29	3,13	549,0	618,9	685,3	463	521	577
30	3,33	580,1	654,0	724,2	495	558	618
31	3,58	624,0	703,5	779,0	529	596	660
32	3,81	664,7	749,3	829,8	563	635	703
33	4,05	706,4	796,4	879,2	599	675	748
34	4,32	754,1	850,2	923,0	636	717	794
35	4,56	795,8	897,1	977,1	674	759	841
36	4,76	832,3	938,3	1033,0	713	803	890
38	5,36	938,7	1058,3	1165,3	794	895	991
39	5,63	987,4	1109,5	1225,7	836	943	1044
40	5,89	1033,9	1140,3	1283,2	880	992	1098
42	6,55	1151,0	1269,6	1428,9	970	1093	1211
43	6,79	1192,6	1340,1	1480,5	1017	1146	1269
44	7,05	1238,3	1391,4	1537,0	1064	1200	1329

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MBL of other diameters only for request.



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RoBoLift 6M

6-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - SFC, NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

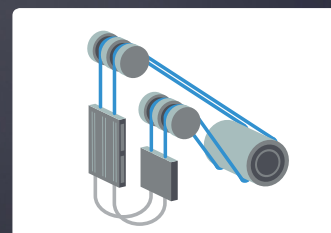
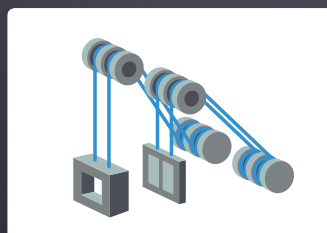
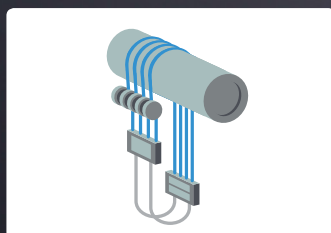
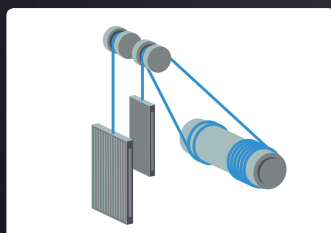
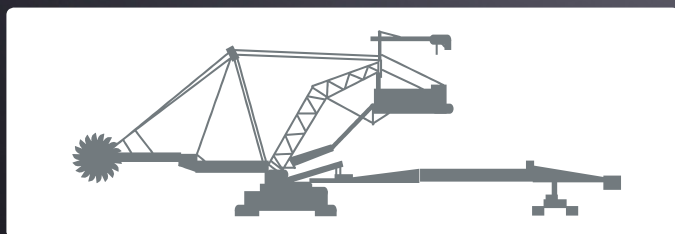


Average fill factor 0,527

Diameter tolerance +2/+5%

APPLICATION

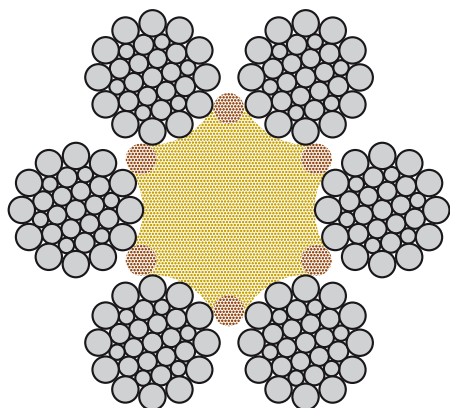
- Deep mining
- Surface mining



RoBoLift 6M

6x31WS - SFC

Ø 22 - 46 mm



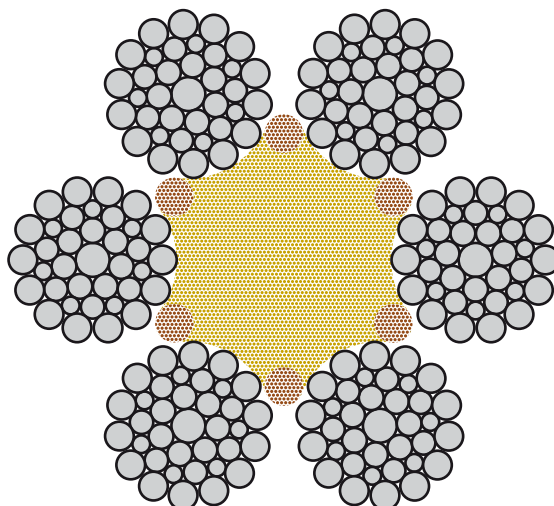
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
22	1,80	313,2	353,1	391,0	262	295	327
23	1,99	348,2	392,5	434,7	286	323	357
24	2,13	371,4	418,8	463,7	312	351	389
25	2,31	403,8	455,3	504,1	338	381	422
26	2,50	438,0	493,8	546,8	366	412	456
27	2,71	473,1	533,4	590,7	394	444	492
28	2,89	503,7	567,9	628,8	424	478	529
29	3,11	541,1	610,0	675,5	455	513	568
30	3,37	586,7	661,4	732,4	487	548	607
31	3,55	616,8	695,3	770,0	520	586	648
32	3,78	658,7	742,6	822,3	554	624	691
33	4,06	708,3	798,5	884,2	589	664	735
34	4,31	754,2	850,3	941,6	625	704	780
35	4,54	792,9	894,0	989,9	662	746	826
36	4,86	850,6	959,0	1030,7	700	790	874
37	5,11	894,4	1008,4	1084,1	740	834	924
38	5,34	936,9	1056,2	1135,6	780	880	974
39	5,65	991,8	1118,1	1238,2	822	927	1030
40	5,97	1048,9	1182,5	1309,4	865	975	1080
41	6,24	1097,5	1237,3	1370,1	908	1025	1135
42	6,51	1144,5	1290,0	1428,7	953	1075	1190
43	6,87	1208,6	1318,8	1508,8	1000	1130	1250
44	7,15	1256,9	1371,1	1569,1	1050	1180	1310
45	7,49	1317,6	1437,9	1644,9	1095	1235	1370
46	7,79	1370,2	1544,8	1710,6	1145	1290	1430

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RoBoLift 6M

6-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - SFC, NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
 CRUSHING AND ABRASION
 STRETCH RESISTANCE
 MULTI-LAYER SPOOLING

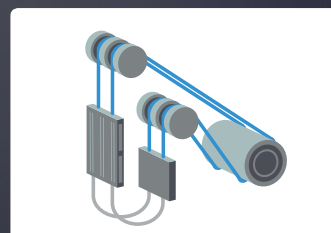
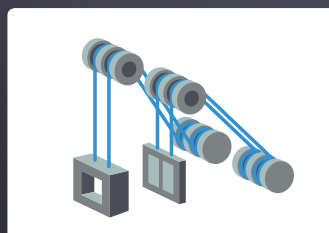
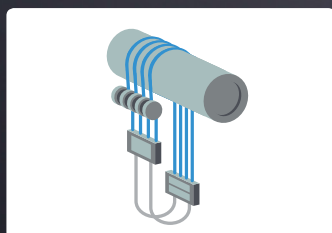
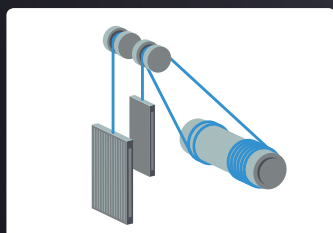
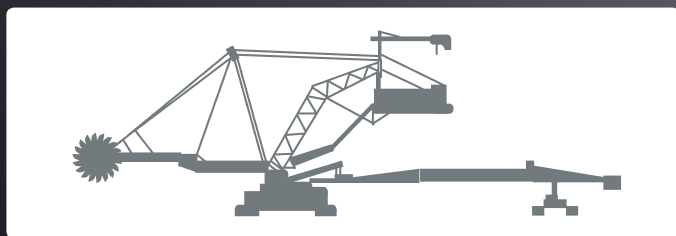


Average fill factor 0,532

Diameter tolerance +2/+5%

APPLICATION

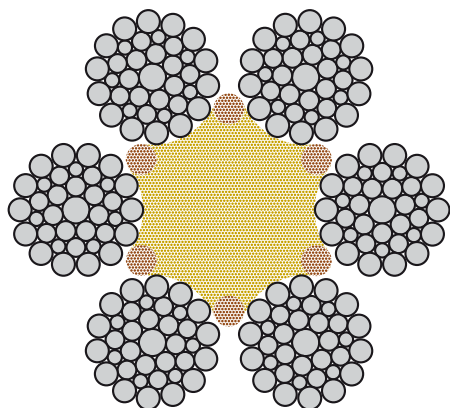
- Deep mining
- Surface mining



RoBoLift 6M

6x36WS - SFC

Ø 20 - 66 mm



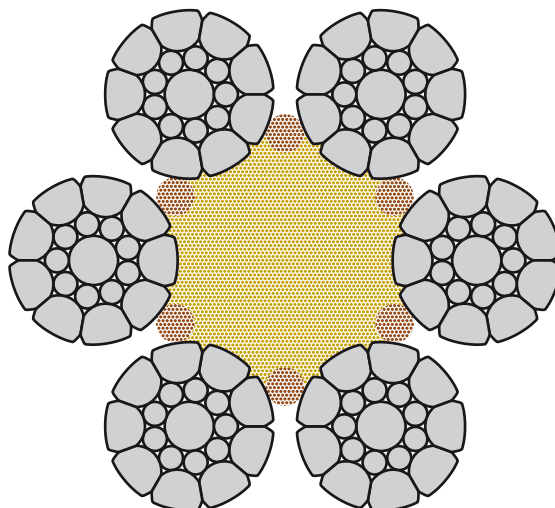
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
20	1,51	265,8	299,6	331,8	229	258	285
22	1,80	315,9	356,2	394,4	272	306	339
24	2,14	375,1	422,9	468,3	323	364	403
26	2,53	443,2	499,7	553,3	381	430	476
28	2,97	518,1	584,1	646,8	446	502	556
30	3,44	598,5	674,7	747,2	515	580	643
32	3,87	675,7	761,8	843,6	581	655	726
34	4,39	767,2	864,9	957,7	660	744	824
36	4,85	849,2	957,4	1060,2	730	823	912
38	5,37	942,2	1062,2	1176,2	810	913	1012
40	5,92	1041,1	1173,7	1299,7	895	1009	1118
42	6,60	1160,1	1307,8	1448,2	998	1125	1245
44	7,34	1291,1	1455,5	1611,8	1110	1252	1386
46	7,85	1381,0	1557,0	1724,1	1188	1339	1483
48	8,50	1497,0	1687,7	1868,8	1287	1451	1607
50	9,27	1630,9	1838,6	2036,0	1403	1581	1751
52	10,06	1770,8	1996,4	2210,7	1523	1717	1901
54	10,93	1925,7	2171,0	2404,0	1656	1867	2067
56	11,75	2069,4	2333,1	2583,5	1780	2006	2222
58	12,51	2202,2	2482,8	2749,3	1894	2135	2364
60	13,35	2350,6	2650,0	2934,5	2022	2279	2524
62	14,27	2504,7	2823,7	3126,8	2154	2428	2689
64	15,08	2642,3	2978,9	3298,7	2272	2562	2837
66	16,13	2833,3	3194,2	3537,1	2437	2747	3042

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RoBoLift 6CM

6-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - SFC, NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

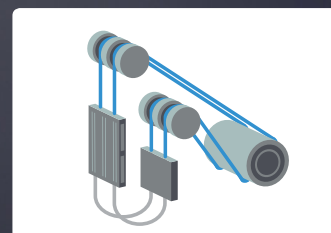
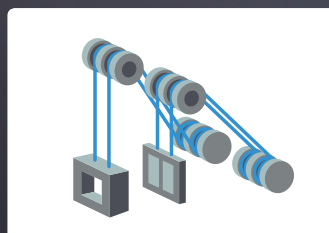
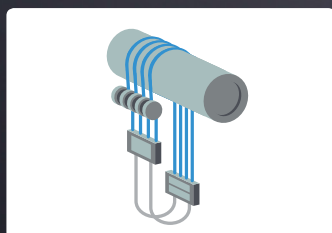
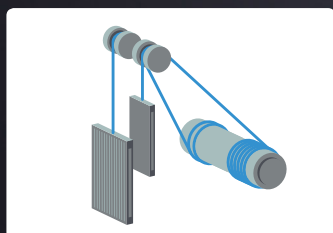
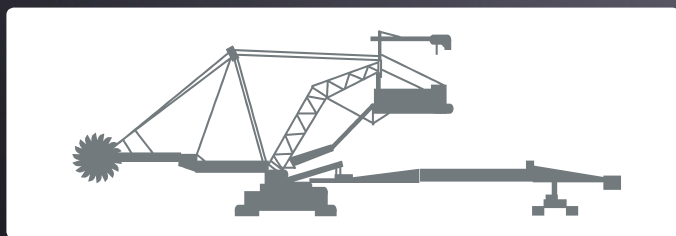


Average fill factor 0,582

Diameter tolerance +2/+5%

APPLICATION

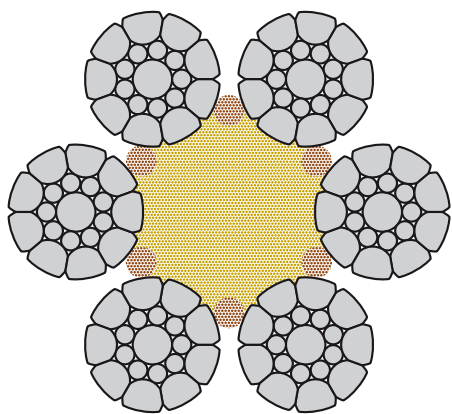
- Deep mining
- Surface mining



RoBoLift 6 CM

6xK19S-SFC

Ø 20 - 42 mm



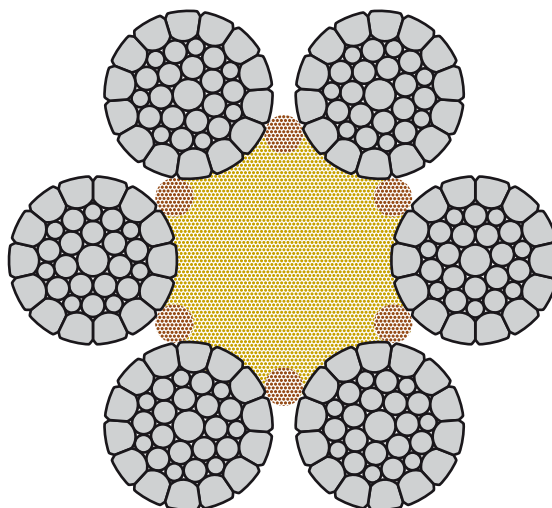
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
20	1,60	284,5	320,7	355,2	245	276	305
21	1,78	316,1	356,4	394,6	272	307	339
22	1,98	351,3	396,0	438,5	302	341	377
24	2,32	411,7	464,1	513,9	354	399	442
25	2,54	450,2	507,6	562,0	387	437	483
26	2,73	484,2	545,9	604,5	416	469	520
27	2,95	524,4	591,2	654,7	451	508	563
28	3,18	564,3	636,1	704,4	485	547	606
29	3,45	608,4	685,9	759,6	523	590	653
30	3,69	651,3	734,3	813,1	560	632	699
31	3,90	688,0	775,7	858,9	592	667	739
32	4,20	740,9	835,2	924,9	637	718	795
33	4,41	780,0	879,4	973,8	671	756	837
34	4,68	828,5	934,0	1034,3	713	803	890
35	4,94	877,2	989,0	1095,1	754	851	942
36	5,22	926,2	1044,2	1156,3	797	898	994
37	5,52	982,3	1107,4	1226,3	845	952	1055
38	5,80	1032,5	1164,0	1289,0	888	1001	1109
39	6,14	1094,5	1233,9	1366,3	941	1061	1175
40	6,41	1141,7	1287,1	1425,3	982	1107	1226
41	6,71	1197,4	1350,0	1494,9	1030	1161	1286
42	7,08	1264,1	1425,2	1578,1	1087	1226	1357

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RoBoLift 6CM

6-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - A, B
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - SFC, NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

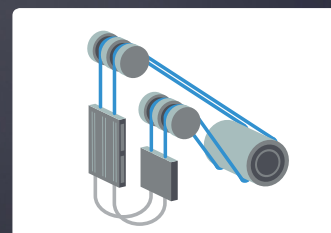
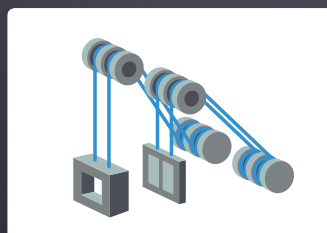
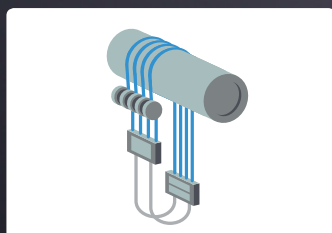
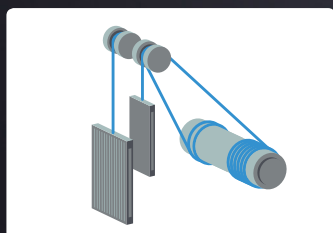
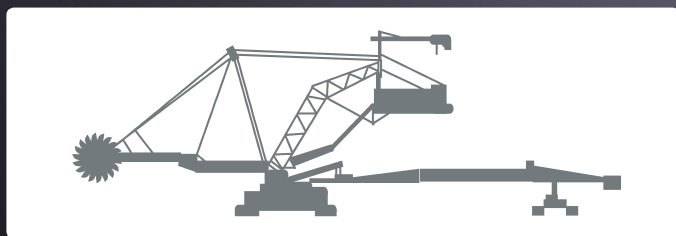


Average fill factor 0,592

Diameter tolerance +2/+5%

APPLICATION

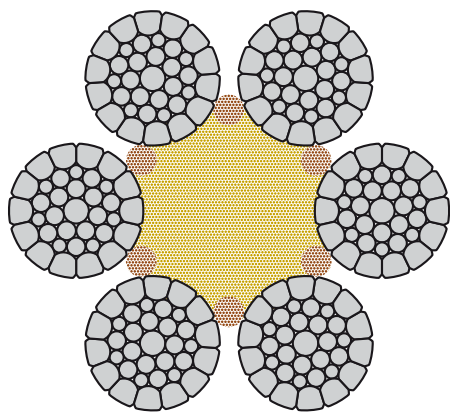
- Deep mining
- Surface mining



RoBoLift 6CM

6xK36WS - SFC

Ø 20 - 66 mm



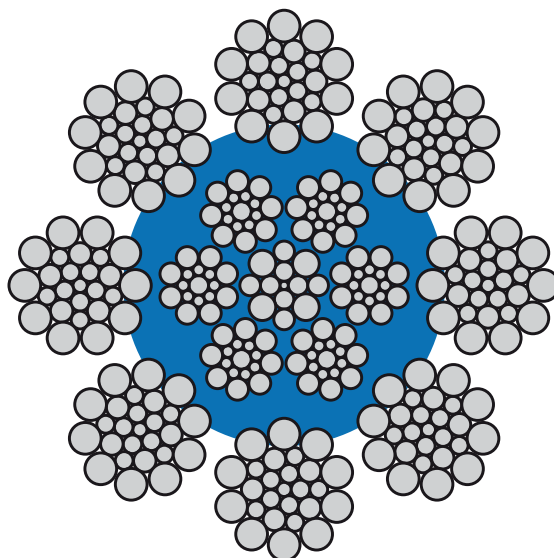
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
20	1,62	293,3	330,6	366,1	252	284	315
22	1,96	350,8	395,5	437,9	302	340	377
24	2,34	421,1	474,7	525,7	361	407	451
26	2,76	497,6	561,0	621,2	428	482	534
28	3,17	571,4	644,1	713,3	491	554	613
30	3,65	655,5	739,1	818,4	564	636	704
32	4,13	742,2	836,7	926,5	638	720	797
33	4,37	787,1	887,4	982,7	677	763	845
34	4,68	842,6	949,9	1051,9	725	817	905
35	4,94	892,0	1005,6	1113,6	767	865	958
36	5,25	947,7	1068,4	1183,1	815	919	1017
38	5,86	1056,6	1191,3	1319,1	909	1025	1134
39	6,13	1107,9	1249,0	1383,1	953	1074	1189
40	6,51	1171,1	1320,3	1462,0	1007	1135	1257
42	7,12	1282,8	1446,2	1601,4	1103	1244	1377
44	7,91	1422,8	1604,0	1776,2	1224	1379	1528
45	8,21	1478,4	1666,7	1845,6	1271	1433	1587
46	8,58	1545,5	1742,4	1929,5	1329	1498	1659
48	9,43	1701,3	1918,0	2123,9	1463	1649	1827
50	10,10	1823,3	2055,6	2276,2	1568	1768	1958
52	10,83	1950,7	2199,2	2435,3	1678	1891	2094
54	11,79	2127,4	2398,4	2655,8	1830	2063	2284
56	12,57	2274,1	2563,8	2839,0	1956	2205	2442
58	13,43	2428,5	2737,8	3031,7	2089	2355	2607
60	14,49	2624,6	2958,9	3276,5	2257	2545	2818
62	15,40	2786,2	3141,2	3478,3	2396	2701	2991
64	16,53	2993,4	3374,8	3737,0	2574	2902	3214
66	17,47	3164,5	3567,6	3950,5	2721	3068	3397

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RoBoLift 8PM

8-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - EPIWRC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
 CRUSHING AND ABRASION
 STRETCH RESISTANCE
 MULTI-LAYER SPOOLING

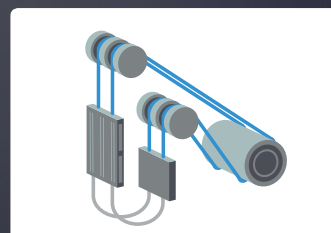
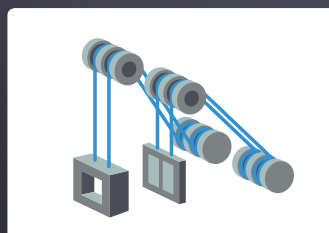
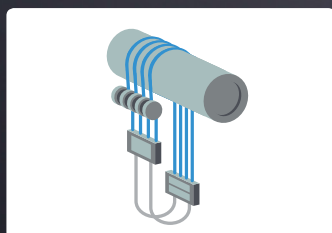
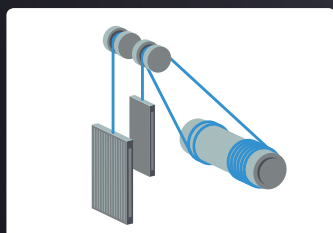
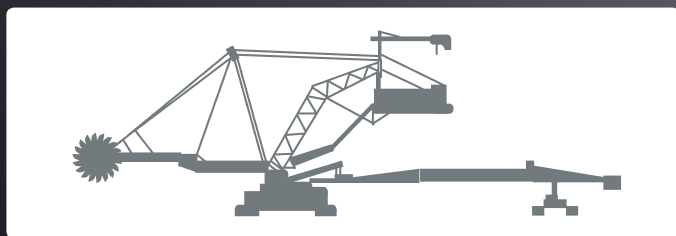


Average fill factor 0,600

Diameter tolerance +0/+5%

APPLICATION

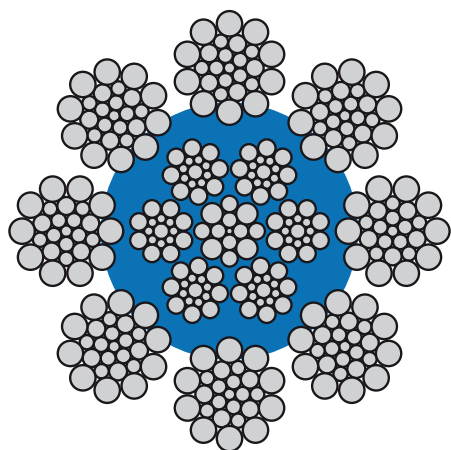
- Deep mining
- Surface mining



RoBoLift 8PM

8x26WS - EPIWRC

Ø 20 - 66 mm



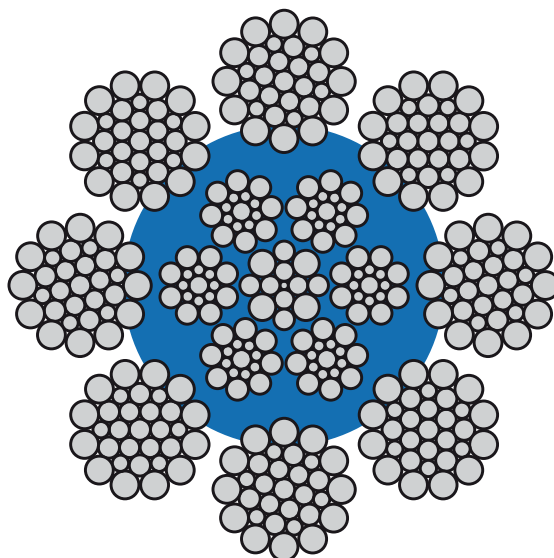
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
20	1,65	295,4	333,0	368,8	248	280	310
22	2,02	360,4	406,3	449,9	303	341	378
24	2,39	426,8	481,2	532,9	359	404	448
26	2,79	499,2	562,8	623,2	419	473	523
28	3,26	582,5	656,7	727,2	489	552	611
30	3,74	668,0	753,1	834,0	561	633	701
32	4,25	760,3	857,2	949,2	639	720	797
33	4,52	807,6	910,5	1008,2	678	765	847
34	4,75	850,6	959,0	1061,9	715	806	892
35	5,07	906,1	1021,5	1131,1	761	858	950
36	5,37	961,0	1083,4	1199,7	807	910	1008
38	5,99	1070,5	1206,8	1336,4	899	1014	1123
39	6,32	1130,4	1274,4	1411,2	950	1071	1185
40	6,64	1187,5	1338,7	1482,4	998	1125	1245
42	7,27	1301,0	1466,8	1624,2	1093	1232	1364
44	8,02	1433,3	1615,9	1789,4	1204	1357	1503
45	8,43	1508,3	1700,4	1882,9	1267	1428	1582
46	8,78	1570,7	1770,8	1960,9	1319	1487	1647
48	9,55	1707,2	1924,7	2131,3	1434	1617	1790
50	10,38	1855,9	2092,3	2316,9	1559	1758	1946
52	11,15	1993,7	2247,7	2489,0	1675	1888	2091
54	12,09	2161,4	2436,7	2698,3	1816	2047	2267
56	12,96	2317,0	2612,2	2892,6	1946	2194	2430
58	13,88	2483,0	2799,3	3099,7	2086	2351	2604
60	14,75	2638,6	2974,7	3294,0	2216	2499	2767
62	15,73	2807,8	3165,5	3505,3	2359	2659	2944
64	16,77	2994,2	3375,7	3738,0	2515	2836	3140
66	17,75	3169,2	3573,0	3956,5	2662	3001	3323

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MBL of other diameters only for request.



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RoBoLift 8PM

8-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - EPIWRC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

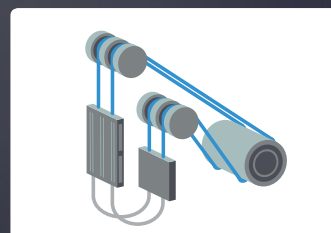
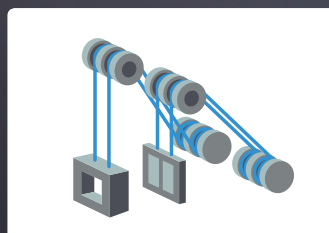
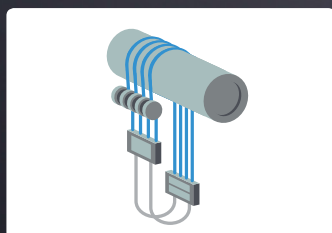
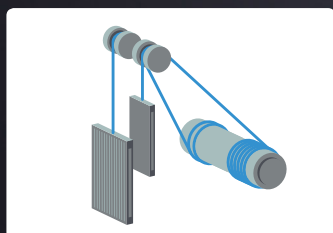
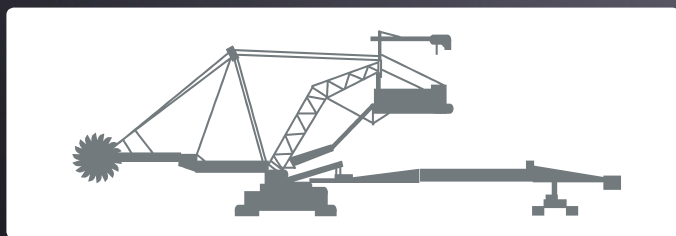


Average fill factor 0,606

Diameter tolerance +0/+5%

APPLICATION

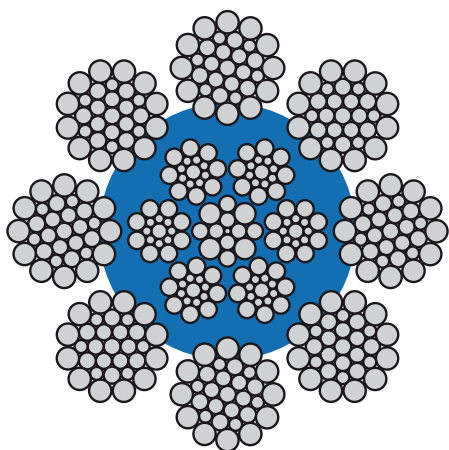
- Deep mining
- Surface mining



RoBoLift 8PM

8x31WS - EPIWRC

Ø 20 - 66 mm



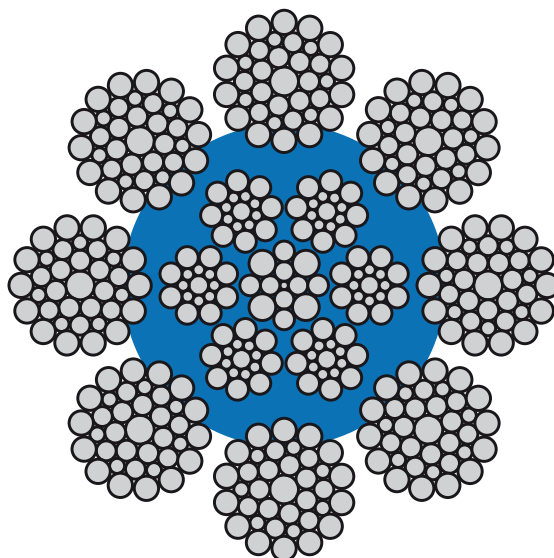
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
20	1,69	300,4	338,7	375,0	252	285	315
22	2,03	361,2	407,2	450,9	303	342	379
24	2,43	432,8	488,0	540,3	364	410	454
26	2,86	509,8	574,8	636,5	428	483	535
28	3,30	589,3	664,3	735,6	495	558	618
30	3,78	676,9	763,2	845,1	569	641	710
32	4,31	770,7	868,9	962,2	647	730	808
33	4,55	813,3	916,9	1015,4	683	770	853
34	4,85	866,1	976,5	1081,3	728	820	908
35	5,11	912,5	1028,7	1139,1	767	864	957
36	5,44	970,7	1094,4	1211,9	815	919	1018
38	6,03	1076,2	1213,3	1343,5	904	1019	1129
39	6,36	1135,8	1280,5	1417,9	954	1076	1191
40	6,70	1196,4	1348,8	1493,5	1005	1133	1255
42	7,34	1310,2	1477,2	1635,7	1101	1241	1374
44	8,14	1453,3	1638,4	1814,3	1221	1376	1524
45	8,51	1519,0	1712,5	1896,3	1276	1439	1593
46	8,86	1581,2	1782,6	1973,9	1328	1497	1658
48	9,62	1717,5	1936,3	2144,1	1443	1626	1801
50	10,50	1875,1	2114,0	2340,9	1575	1776	1966
52	11,29	2015,4	2272,2	2516,1	1693	1909	2114
54	12,17	2172,9	2449,7	2712,7	1825	2058	2279
56	13,10	2341,3	2639,5	2922,9	1967	2217	2455
58	14,08	2517,8	2838,5	3143,2	2115	2384	2640
60	14,92	2659,1	2997,9	3319,7	2234	2518	2789
62	15,86	2827,6	3187,8	3530,0	2375	2678	2965
64	16,96	3023,2	3408,3	3774,2	2539	2863	3170
66	17,97	3202,7	3610,7	3998,3	2690	3033	3359

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MBL of other diameters only for request.



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RoBoLift 8PM

8-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - EPIWRC,
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

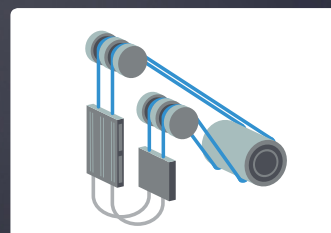
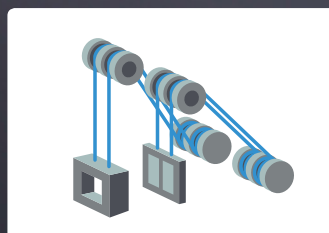
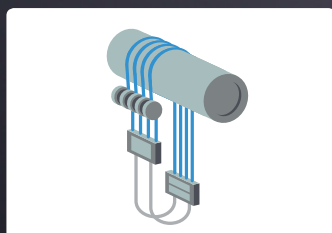
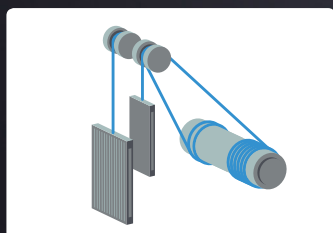
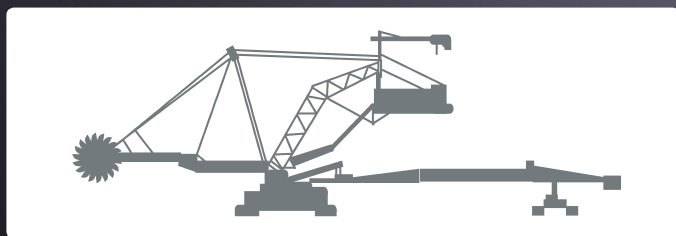


Average fill factor 0,609

Diameter tolerance +0/+5%

APPLICATION

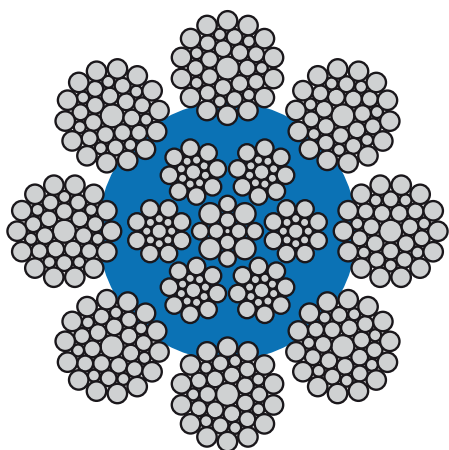
- Deep mining
- Surface mining



RoBoLift 8PM

8x36WS - EPIWRC

Ø 20 - 66 mm



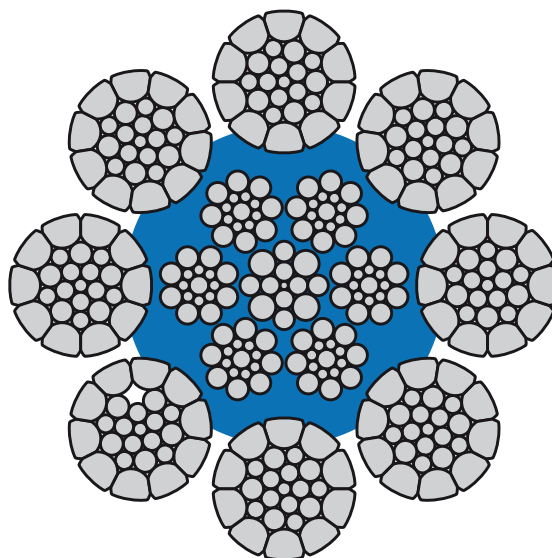
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
20	1,69	300,7	339,0	375,4	253	285	315
22	2,05	366,3	412,9	457,2	308	347	384
24	2,44	436,1	491,6	544,4	366	413	457
26	2,84	507,7	572,3	633,8	426	481	532
28	3,32	592,1	667,5	739,2	497	561	621
30	3,80	678,2	764,6	846,7	570	642	711
32	4,32	770,3	868,4	961,6	647	729	808
33	4,59	819,2	923,6	1022,7	688	776	859
34	4,89	872,9	984,1	1089,8	733	827	915
35	5,16	921,4	1038,8	1150,3	774	873	966
36	5,46	975,0	1099,2	1217,2	819	923	1022
38	6,09	1086,9	1225,4	1357,0	913	1029	1140
39	6,43	1146,7	1292,8	1431,5	963	1086	1202
40	6,75	1205,5	1359,1	1504,9	1013	1142	1264
42	7,41	1321,9	1490,3	1650,3	1110	1252	1386
44	8,19	1461,2	1647,4	1824,2	1227	1384	1532
45	8,55	1525,3	1719,6	1904,2	1281	1444	1600
46	8,94	1595,9	1799,2	1992,4	1341	1511	1674
48	9,69	1728,8	1949,1	2158,3	1452	1637	1813
50	10,53	1878,9	2118,3	2345,7	1578	1779	1970
52	11,31	2018,2	2275,2	2519,5	1695	1911	2116
54	12,20	2175,0	2452,0	2715,2	1827	2060	2281
56	13,14	2344,6	2643,2	2927,0	1969	2220	2459
58	14,11	2519,1	2840,0	3144,8	2116	2386	2642
60	15,04	2683,2	3025,0	3349,7	2254	2541	2814
62	15,96	2846,9	3209,6	3554,1	2391	2696	2985
64	17,06	3044,3	3432,1	3800,5	2557	2883	3192
66	17,89	3192,0	3598,6	3984,9	2681	3023	3347

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MBL of other diameters only for request.



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RoBoLift 8CPM

8-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - EPIWRC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
CRUSHING AND ABRASION
STRETCH RESISTANCE
MULTI-LAYER SPOOLING

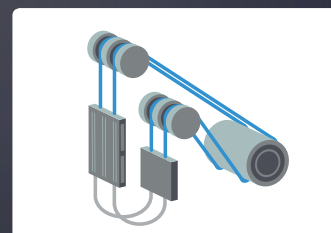
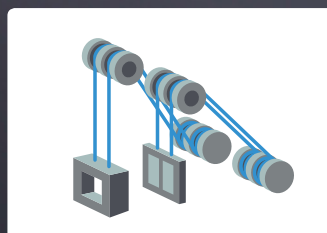
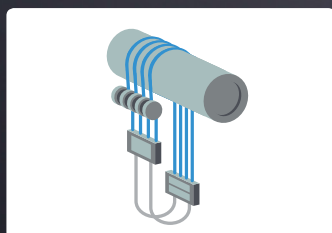
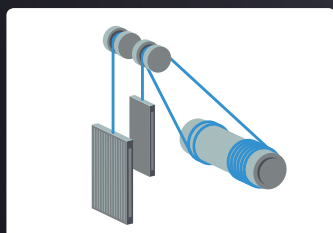
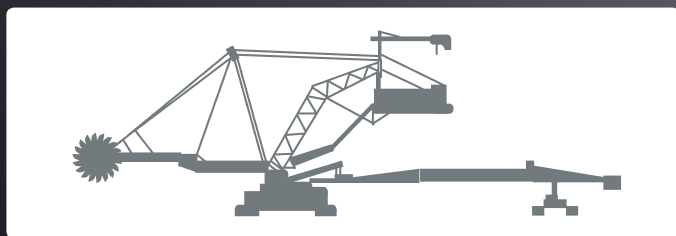


Average fill factor 0,647

Diameter tolerance +0/+5%

APPLICATION

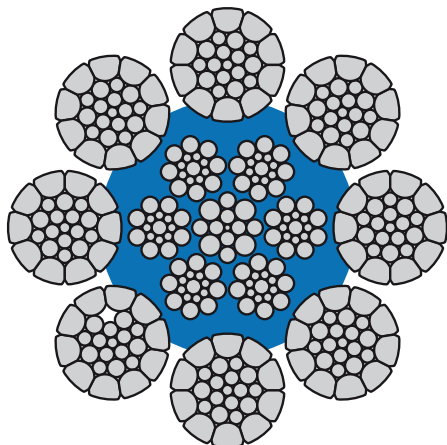
- Deep mining
- Surface mining



RoBoLift 8 CPM

8xK26WS-EPIWRC

Ø 20 - 66 mm



Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
20	1,80	322,7	363,8	402,9	271	306	338
22	2,19	393,0	443,1	490,6	330	372	412
24	2,60	467,9	527,5	584,1	393	443	491
26	3,05	547,9	617,7	684,0	460	519	575
28	3,49	628,0	708,0	784,0	528	595	659
30	4,05	727,0	819,6	907,6	611	688	762
32	4,54	815,6	919,5	1018,2	685	772	855
33	4,80	862,5	972,4	1076,8	725	817	905
34	5,14	923,2	1040,8	1152,5	775	874	968
35	5,42	973,4	1097,4	1215,2	818	922	1021
36	5,74	1031,7	1163,1	1288,0	867	977	1082
38	6,40	1150,3	1296,9	1436,1	966	1089	1206
39	6,77	1216,2	1371,1	1518,3	1022	1152	1275
40	7,12	1280,2	1443,3	1598,3	1075	1212	1343
42	7,80	1401,6	1580,1	1749,7	1177	1327	1470
44	8,59	1543,3	1739,9	1926,7	1296	1462	1618
45	9,05	1625,5	1832,5	2029,2	1365	1539	1705
46	9,43	1693,9	1909,7	2114,7	1423	1604	1776
48	10,21	1835,3	2069,1	2291,2	1542	1738	1925
50	11,15	2002,8	2257,9	2500,3	1682	1897	2100
52	12,07	2167,7	2443,8	2706,1	1821	2053	2273
54	12,99	2332,8	2629,9	2912,2	1960	2209	2446
56	13,98	2510,8	2830,7	3134,6	2109	2378	2633
58	14,97	2689,3	3031,8	3357,3	2259	2547	2820
60	15,65	2818,1	3177,1	3518,1	2367	2669	2955
62	16,73	3012,2	3395,9	3760,4	2530	2853	3159
64	17,88	3219,8	3630,0	4019,7	2705	3049	3377
66	18,92	3405,8	3839,6	4251,8	2861	3225	3572

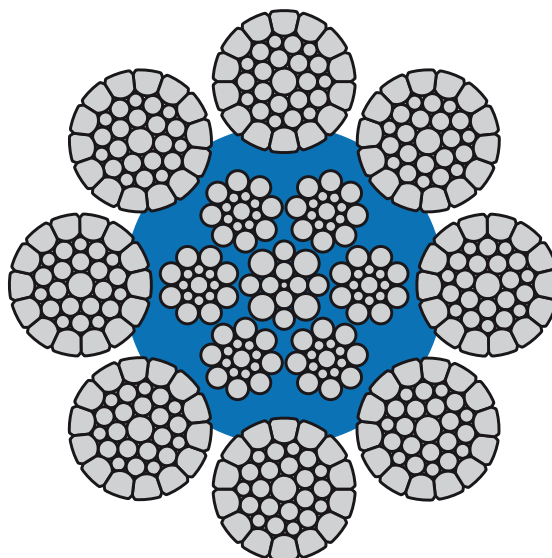
"All information contained in this catalog is considered reliable at the time of printing. Information is subject to change and modifications. The purpose and application of the product is to be determined by the user who is to assume all risk and liability."

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MBL of other diameters only for request.



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RoBoLift 8CPM

8-STRAND ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - EPIWRC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY
 CRUSHING AND ABRASION
 STRETCH RESISTANCE
 MULTI-LAYER SPOOLING

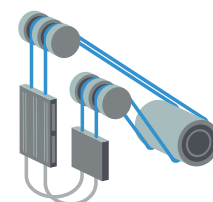
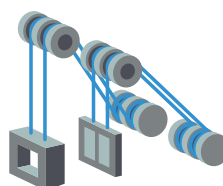
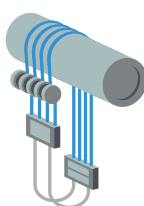
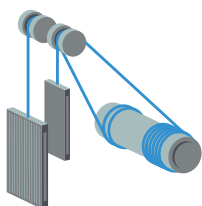
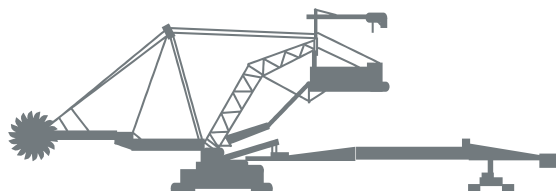


Average fill factor 0,662

Diameter tolerance +0/+5%

APPLICATION

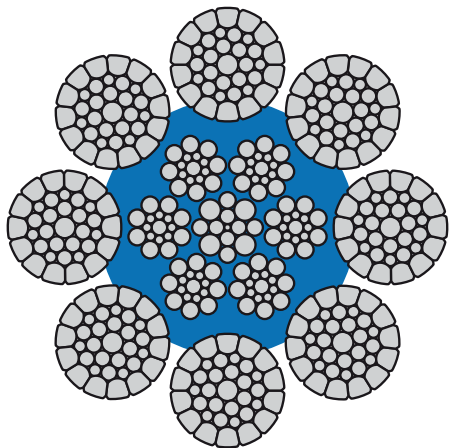
- Deep mining
- Surface mining



RoBoLift 8 CPM

8xK36WS-EPIWRC

Ø 20 - 66 mm



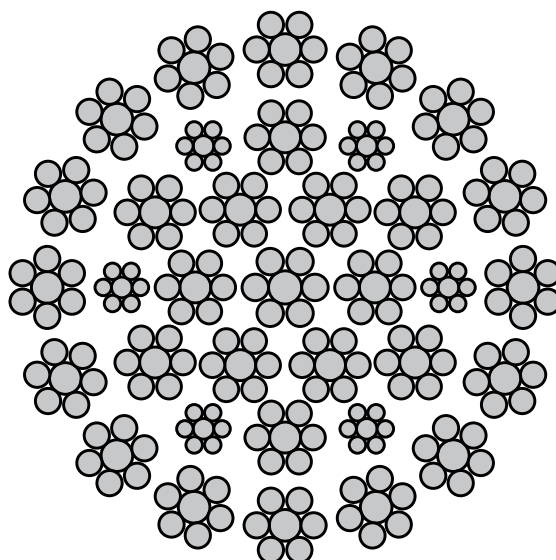
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
20	1,81	325,8	367,3	406,7	274	309	342
22	2,21	397,6	448,2	496,3	334	376	417
24	2,64	474,3	534,8	592,2	398	449	497
26	3,09	555,0	625,7	692,9	466	526	582
28	3,57	641,3	723,0	800,6	539	607	673
30	4,13	741,1	835,5	925,1	623	702	777
32	4,66	837,0	943,6	1044,9	703	793	878
33	4,94	886,7	999,6	1106,9	745	840	930
34	5,31	953,1	1074,6	1189,9	801	903	1000
35	5,63	1010,8	1139,5	1261,8	849	957	1060
36	5,96	1070,1	1206,4	1335,9	899	1013	1122
38	6,67	1196,7	1349,2	1494,0	1005	1133	1255
39	6,93	1244,6	1403,2	1553,8	1045	1179	1305
40	7,32	1314,2	1481,6	1640,6	1104	1245	1378
42	8,07	1450,1	1634,8	1810,3	1218	1373	1521
44	8,80	1581,2	1782,7	1974,0	1328	1497	1658
45	9,20	1653,0	1863,5	2063,6	1389	1565	1733
46	9,64	1730,8	1951,3	2160,8	1454	1639	1815
48	10,48	1882,8	2122,6	2350,5	1582	1783	1974
50	11,46	2058,7	2321,0	2570,1	1729	1950	2159
52	12,27	2203,5	2484,2	2750,8	1851	2087	2311
54	13,25	2379,4	2682,5	2970,4	1999	2253	2495
56	14,29	2566,3	2893,2	3203,8	2156	2430	2691
58	15,21	2733,0	3081,1	3411,9	2296	2588	2866
60	15,92	2878,2	3244,8	3593,2	2418	2726	3018
62	17,03	3077,6	3469,6	3842,1	2585	2914	3227
64	18,14	3279,2	3696,9	4093,7	2755	3105	3439
66	19,20	3470,4	3912,5	4332,5	2915	3287	3639

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MBL of other diameters only for request.



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RoBoFlex 34M

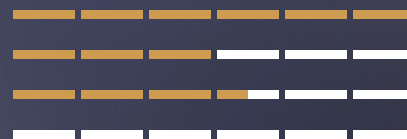
ROTATION RESISTANT ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - sZ, zS, zZ, sS
- Material of rope core - WSC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

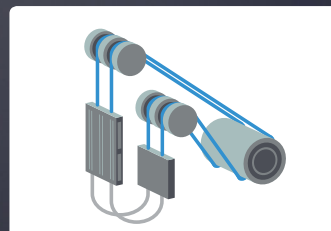
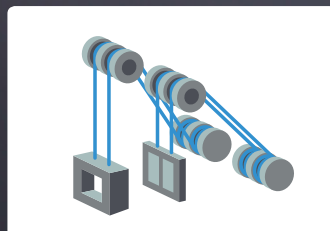
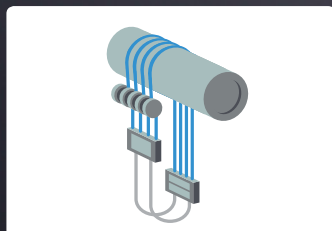
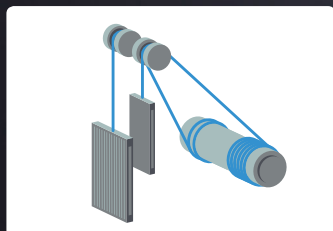
ROTATION STABILITY
 CRUSHING AND ABRASION
 STRETCH RESISTANCE
 MULTI-LAYER SPOOLING



APPLICATION

- Deep mining

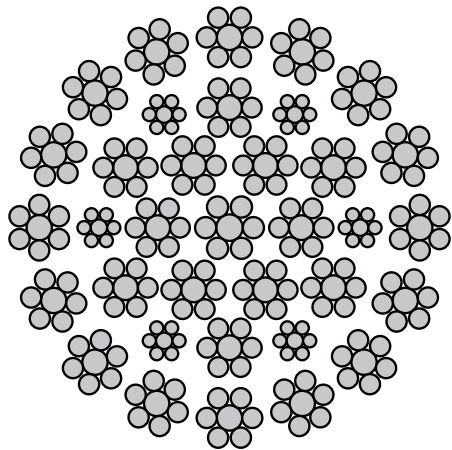
Average fill factor 0,653
 Diameter tolerance +0/+5%



RoBoFlex 34M

34(W)x7 - WSC

Ø 16 - 48 mm



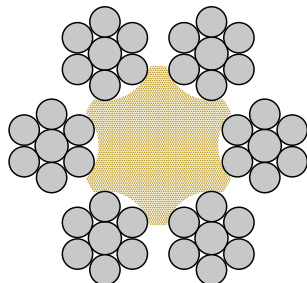
Nominal diameter Ø	Approximate mass	Calculated breaking load			Minimum breaking force		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
16	1,16	203,1	229,0	253,6	157	177	197
17	1,31	226,8	255,7	283,2	176	198	219
18	1,47	256,0	288,6	319,6	198	224	248
19	1,64	283,9	320,1	354,5	220	248	275
20	1,81	318,3	358,8	397,3	247	278	308
22	2,20	390,1	439,9	487,1	302	341	377
23	2,45	424,8	478,9	530,3	329	371	411
24	2,62	459,2	517,7	573,3	356	401	444
25	2,84	498,3	561,7	622,0	386	435	482
26	3,18	555,7	626,5	693,8	431	486	538
28	3,65	639,6	721,0	798,4	496	559	619
29	3,88	681,8	768,7	851,2	528	596	660
30	4,21	737,7	831,7	920,9	572	645	714
31	4,40	772,8	871,2	964,7	599	675	748
32	4,72	831,4	937,3	1037,9	644	726	804
33	5,02	880,9	993,1	1099,7	683	770	852
34	5,40	941,9	1061,9	1175,8	730	823	911
35	5,68	995,2	1122,0	1242,5	771	870	963
36	5,98	1049,4	1183,1	1310,1	813	917	1015
38	6,68	1171,8	1321,0	1462,8	908	1024	1134
39	6,98	1229,9	1386,6	1535,4	953	1075	1190
40	7,35	1292,8	1457,5	1613,9	1002	1130	1251
42	8,10	1421,0	1602,0	1774,0	1101	1242	1375
43	8,46	1489,1	1678,8	1859,1	1154	1301	1441
44	8,90	1563,3	1762,5	1951,7	1212	1366	1513
45	9,20	1616,3	1822,1	2017,7	1253	1412	1564
46	9,67	1700,8	1917,5	2123,3	1318	1486	1646
48	10,50	1844,3	2079,2	2302,4	1429	1611	1785

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6x7 - FC

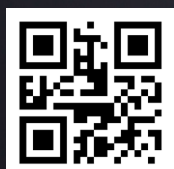
Ø 6 - 36 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

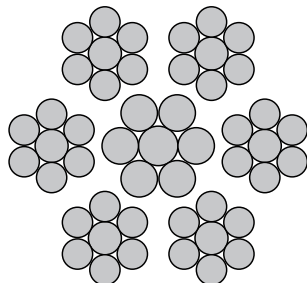
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)
6	0,123	18,8	21,2	23,4
7	0,168	25,5	28,8	31,9
8	0,221	33,4	37,6	41,6
9	0,272	42,2	47,6	52,7
10	0,339	52,1	58,8	65,1
11	0,420	63,1	71,1	78,7
12	0,522	75,1	84,6	93,7
13	0,583	88,1	99,3	110
14	0,679	102	115	128
15	0,780	117	132	146
16	0,920	133	150	167
17	0,991	151	170	188
18	1,12	169	190	211
19	1,25	188	212	235
20	1,33	208	235	260
21	1,48	230	259	287
22	1,65	252	284	315
23	1,81	276	311	344
24	1,98	300	338	375
25	2,12	326	367	407
26	2,28	352	397	440
28	2,61	409	461	510
30	2,98	469	529	586
32	3,51	534	602	666
36	4,45	676	762	843



6x7 - WSC

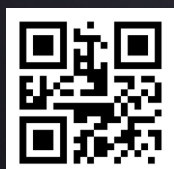
Ø 6 - 36 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

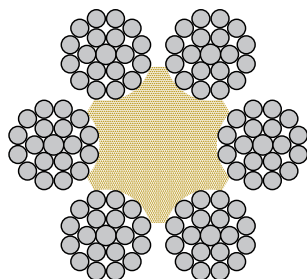
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)
6	0,144	20,3	22,9	25,3
7	0,196	27,6	31,1	34,5
8	0,256	36,1	40,7	45,0
9	0,326	45,7	51,5	57,0
10	0,410	56,4	63,5	70,4
11	0,503	68,2	76,9	85,1
12	0,605	81,2	91,5	101
13	0,691	95,3	107	119
14	0,809	110	125	138
15	0,900	127	143	158
16	1,02	144	163	180
17	1,16	163	184	203
18	1,32	183	206	228
19	1,44	203	229	254
20	1,60	225	254	281
21	1,76	249	280	310
22	1,94	273	308	341
23	2,12	298	336	372
24	2,30	325	366	405
25	2,50	352	397	440
26	2,65	381	430	476
28	3,04	442	498	552
30	3,52	507	572	633
32	3,98	577	651	721
36	5,05	730	824	912



6x19M - SFC

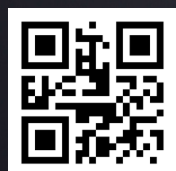
Ø 8 - 40 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

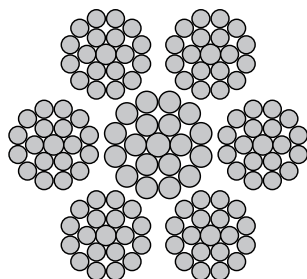
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)
8	0,221	30,8	34,8	38,5
9	0,274	39,0	44,0	48,7
10	0,331	48,2	54,3	60,2
11	0,416	58,3	65,8	72,8
12	0,482	69,4	78,2	86,6
13	0,560	81,5	91,8	102
14	0,674	94,5	107	118
15	0,750	108	122	135
16	0,858	123	139	154
17	0,958	139	157	174
18	1,09	156	176	195
19	1,18	174	196	217
20	1,32	193	217	241
21	1,44	213	240	265
22	1,60	233	263	291
24	1,87	278	313	347
25	2,11	301	340	376
26	2,22	326	367	407
28	2,65	378	426	472
30	2,97	434	489	542
32	3,44	494	556	616
34	3,70	557	628	696
35	4,06	590	666	737
38	4,70	696	785	869
40	5,18	771	869	963

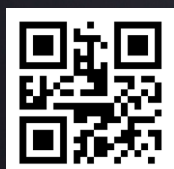
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TRINECKÉ ŽELEZÁRNY**6x19M - WSC**

Ø 8 - 40 mm

EN 12385-4:
Stranded ropes for general
lifting applicationsEN 10264:
Steel wire for ropes

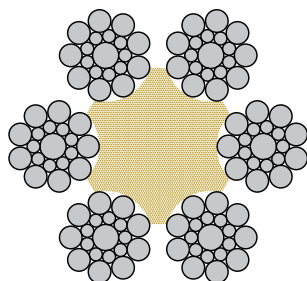
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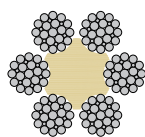
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)
8	0,244	36,4	41,0	45,4
9	0,318	46,0	51,9	57,5
10	0,393	56,8	64,1	71,0
11	0,476	68,8	77,5	85,9
12	0,573	81,8	92,3	102,2
13	0,644	96,0	108,3	120
14	0,770	111	126	139
15	0,880	128	144	160
16	0,996	145	164	182
17	1,14	164	185	205
18	1,26	184	208	230
19	1,38	205	231	256
20	1,52	227	256	284
21	1,71	251	283	313
22	1,91	275	310	343
24	2,26	327	369	409
25	2,46	355	400	443
26	2,63	384	433	480
28	3,08	446	502	556
30	3,52	512	577	639
32	4,02	582	656	727
34	4,43	657	741	820
35	4,81	696	785	869
38	5,52	821	925	1025
40	6,21	909	1025	1135

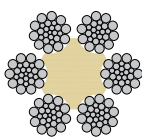


6x19S - SFC

Ø 8 - 50 mm



6x25F-SFC
Ø 14 - 64 mm



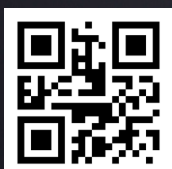
6x26WS-SFC
Ø 12 - 64 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

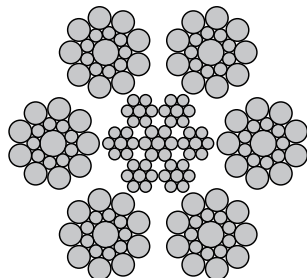
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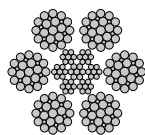
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
8	0,230	37,4	41,4	45,6
9	0,291	47,3	52,4	57,7
10	0,361	58,4	64,7	71,3
11	0,435	70,7	78,3	86,2
12	0,516	84,1	93,1	103
13	0,588	98,7	109	121
14	0,710	114	127	140
16	0,904	150	166	182
18	1,15	189	210	231
19	1,30	211	233	257
20	1,43	234	259	285
22	1,73	283	313	345
24	2,04	336	373	411
25	2,24	365	404	446
26	2,38	395	437	482
28	2,77	458	507	559
30	3,16	526	582	642
32	3,66	598	662	730
34	4,09	675	748	824
36	4,56	757	838	924
38	5,08	843	934	1029
40	5,60	935	1035	1140
42	6,05	1030	1140	1260
44	6,95	1131	1252	1380
45	7,27	1183	1310	1443
48	8,12	1346	1490	1642
51	9,34	1519	1682	1854
52	9,71	1579	1749	1927
54	10,47	1703	1886	2079
56	11,26	1832	2028	2235
57	11,66	1898	2101	2316
60	12,92	2103	2328	2566
64	14,70	2392	2649	2920

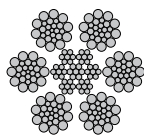


6x19S - IWRC

Ø 8 - 50 mm



6x25F - IWRC
Ø 14 - 64 mm



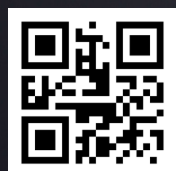
6x26WS - IWRC
Ø 12 - 64 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

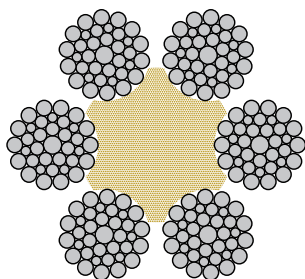
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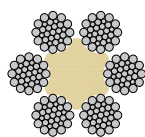
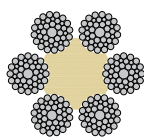


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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
8	0,256	40,3	44,7	49,2
9	0,324	51,0	56,5	62,3
10	0,420	63,0	69,8	76,9
11	0,520	76,2	84,4	93,0
12	0,582	90,7	100	111
13	0,674	106	118	130
14	0,796	124	137	151
16	1,03	161	179	197
18	1,30	204	226	249
19	1,44	227	252	278
20	1,63	252	279	308
22	1,96	305	338	372
24	2,32	363	402	443
25	2,54	394	436	481
26	2,70	426	472	520
28	3,15	494	547	603
30	3,56	567	628	692
32	4,10	645	715	787
34	4,63	728	807	889
36	5,18	817	904	997
38	5,80	910	1008	1110
40	6,38	1008	1116	1230
42	7,35	1112	1231	1356
44	7,92	1220	1351	1489
45	8,10	1276	1413	1557
48	9,22	1452	1608	1772
51	10,40	1639	1815	2000
52	10,82	1704	1887	2079
54	11,66	1837	2035	2242
56	12,89	1976	2188	2411
57	13,00	2047	2267	2498
60	14,72	2268	2512	2768
64	16,75	2581	2858	3150

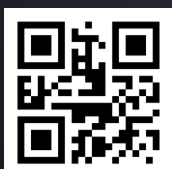
**ŽDB DRÁTOVNA**MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY**6x36WS - SFC**

Ø 12 - 74 mm

6x31WS - SFC
Ø 12 - 60 mm6x41WS - SFC
Ø 28 - 74 mmEN 12385-4:
Stranded ropes for general
lifting applicationsEN 10264:
Steel wire for ropes

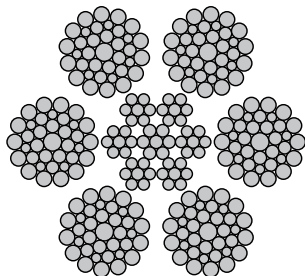
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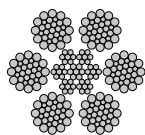


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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
12	0,534	84,1	93,1	103
13	0,616	98,7	109	120
14	0,719	114	127	140
16	0,930	150	166	182
18	1,18	189	210	231
19	1,32	211	233	257
20	1,48	234	259	285
22	1,76	283	313	345
24	2,11	336	373	411
25	2,25	365	404	446
26	2,47	395	437	482
28	2,81	458	507	559
30	3,60	567	628	692
32	3,68	598	662	730
33	3,89	636	704	776
34	4,13	675	748	824
35	4,45	716	792	873
36	4,76	757	839	924
38	5,19	843	934	1030
40	5,79	935	1035	1140
42	6,27	1030	1141	1257
44	7,03	1131	1252	1380
46	7,63	1236	1369	1508
48	8,32	1346	1490	1642
50	9,04	1460	1617	1782
52	9,67	1579	1749	1927
54	10,70	1703	1886	2079
56	11,26	1840	2030	2240
57	11,66	1900	2110	2320
60	13,08	2100	2330	2570
64	15,03	2392	2649	2920
68	16,40	2710	3000	3300
70	17,52	2870	3170	3500
74	20,10	3200	3540	3900

**6x36WS - IWRC**

Ø 12 - 48 mm

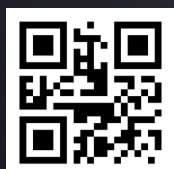
6x31WS - IWRC
Ø 12 - 48 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

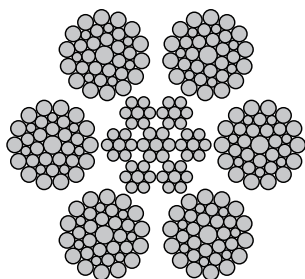
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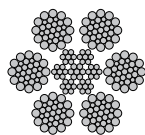
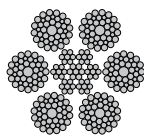


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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
12	0,603	101	111	122
13	0,730	119	131	143
14	0,836	139	153	167
16	1,07	179	197	216
18	1,39	227	250	274
19	1,56	254	279	306
20	1,71	283	309	338
22	2,06	340	374	408
24	2,48	404	444	486
25	2,64	434	478	524
26	2,90	480	528	578
28	3,39	550	605	662
30	3,80	628	692	760
32	4,29	711	787	863
34	4,84	793	878	956
36	5,49	894	1003	1053
38	6,14	1012	1114	1171
40	6,73	1109	1220	1291
42	7,28	1206	1327	1404
44	8,16	1335	1410	1550
46	8,95	1469	1570	1630
48	9,61	1570	1680	1772

**ŽDB DRÁTOVNA**MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY**6x36WS - IWRC**

Ø 12 - 74 mm

6x31WS - IWRC
Ø 12 - 60 mm6x41WS - IWRC
Ø 28 - 74 mmEN 12385-4:
Stranded ropes for general
lifting applicationsEN 10264:
Steel wire for ropes

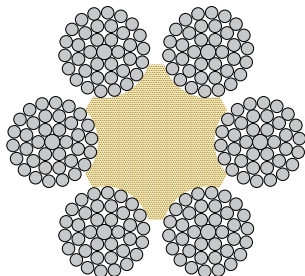
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
12	0,603	90,7	101	111
13	0,691	107	118	130
14	0,802	124	137	151
16	1,05	161	179	197
18	1,34	204	226	249
19	1,50	228	252	278
20	1,64	252	279	308
22	1,95	305	338	372
24	2,34	363	402	443
25	2,55	394	436	481
26	2,74	426	472	520
28	3,21	494	547	603
30	3,60	567	628	692
32	4,10	645	715	787
33	4,41	686	760	837
34	4,62	728	807	889
35	4,98	772	855	942
36	5,34	817	904	997
38	5,78	910	1008	1110
40	6,42	1008	1116	1230
42	7,12	1112	1231	1356
44	7,83	1220	1351	1489
46	8,64	1333	1476	1627
48	9,42	1452	1608	1772
50	10,20	1575	1744	1922
52	11,06	1704	1887	2079
54	11,93	1837	2035	2242
56	12,77	1980	2190	2420
57	13,35	2050	2270	2500
60	14,95	2270	2510	2770
64	16,70	2590	2860	3150
68	18,36	2920	3230	3560
70	19,85	3090	3420	3770
74	20,40	3450	3820	4210



6x37M - SFC

Ø 12 - 74 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

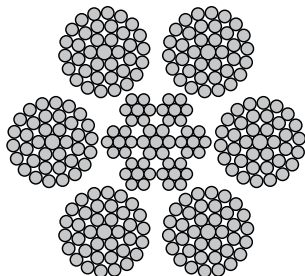
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)
12	0,460	66,7	75,2	83,3
13	0,555	78,3	88,2	97,7
14	0,652	90,8	102	113
15	0,716	104	117	130
16	0,820	119	134	148
17	0,933	134	151	167
18	1,03	150	169	187
20	1,32	185	209	231
22	1,54	224	253	280
24	1,86	267	301	333
26	2,18	313	353	391
28	2,59	363	409	453
30	2,91	417	470	520
32	3,29	474	535	592
36	4,24	600	677	749
40	5,15	741	835	925
44	6,21	897	1011	1119
48	7,49	1067	1203	1332
52	8,65	1252	1412	1563
56	10,22	1452	1637	1813
60	11,27	1667	1880	2082
63	12,58	1838	2072	2295
65	14,00	1957	2206	2443
70	15,47	2269	2559	2833
74	17,46	2536	2859	3166



6x37M-IWRC

Ø 12 - 74 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

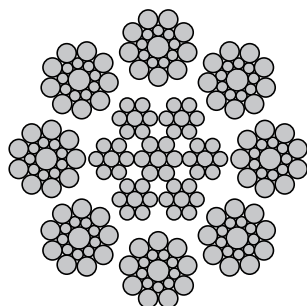
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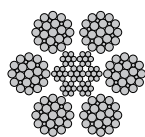
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)
12	0,530	78,2	88,2	97,7
13	0,634	91,8	103	115
14	0,747	106	120	133
15	0,818	122	138	153
16	0,955	139	157	174
17	1,07	157	177	196
18	1,23	176	198	220
20	1,52	217	245	271
22	1,78	263	296	328
24	2,19	313	353	391
26	2,55	367	414	458
28	2,94	426	480	532
30	3,35	489	551	610
32	3,85	556	627	694
36	4,78	704	794	879
40	6,02	869	980	1085
44	7,26	1052	1186	1313
48	8,78	1252	1411	1562
52	11,74	1469	1656	1834
56	11,75	1704	1921	2127
60	13,14	1956	2205	2441
63	14,61	2156	2431	2692
65	15,67	2295	2587	2865
70	17,90	2662	3001	3323
74	20,20	2975	3354	3714

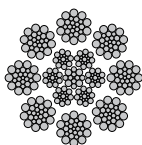


8x19S - IWRC

Ø 10 - 54 mm



8x25F-IWRC
Ø 16 - 70 mm



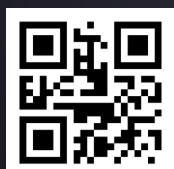
8x26WS-IWRC
Ø 14 - 70 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

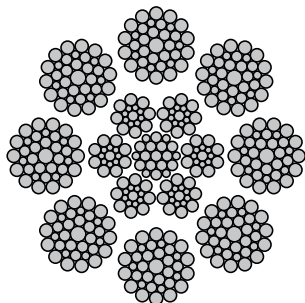
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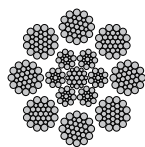
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
10	0,416	69,0	76,4	82,1
12	0,610	97,6	108	119
14	0,808	132	147	159
16	1,09	179	197	211
18	1,38	226	249	268
20	1,70	279	308	332
22	2,06	338	372	402
24	2,45	402	445	478
25	2,72	436	483	518
26	2,85	471	522	561
28	3,31	547	605	650
30	3,80	628	695	746
32	4,32	715	791	849
33	4,32	759	841	903
34	4,87	806	893	959
35	5,17	854	946	1016
36	5,46	904	1001	1075
38	6,09	1007	1115	1198
40	6,75	1116	1236	1327
42	7,44	1230	1362	1463
44	8,16	1350	1495	1606
46	8,92	1476	1634	1755
48	9,72	1607	1779	1911
50	10,54	1743	1931	2074
52	11,40	1886	2088	2243
54	12,30	2034	2252	2419
56	13,22	2187	2422	2601
58	14,18	2346	2598	2790
60	15,18	2511	2780	2986
64	17,27	2856	3163	3397
66	18,37	3038	3364	3613
68	19,50	3225	3571	3835
70	20,66	3419	3784	4064

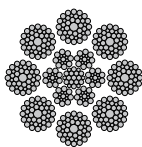


8x36WS - IWRC

Ø 14 - 74 mm



8x31WS-IWRC
Ø 14 - 74 mm



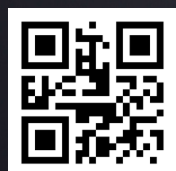
8x41WS-IWRC
Ø 34 - 74 mm

EN 12385-4:
Stranded ropes for general
lifting applications

EN 10264:
Steel wire for ropes

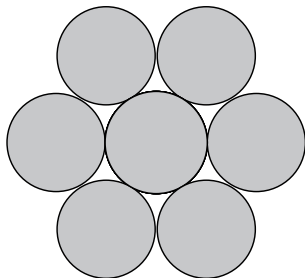
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	0,837	137	152	163
16	1,11	179	198	213
18	1,38	227	251	269
20	1,70	280	310	333
22	2,05	338	375	402
24	2,42	403	446	479
25	2,68	451	499	520
26	2,84	473	523	562
28	3,35	548	607	652
30	3,83	629	697	748
32	4,34	716	793	852
33	4,54	761	843	906
34	4,89	808	895	961
35	5,23	856	948	1019
36	5,54	913	1011	1078
38	6,12	1010	1118	1201
40	6,84	1119	1239	1331
42	7,44	1233	1366	1467
44	8,26	1354	1499	1610
46	9,01	1479	1638	1760
48	9,79	1611	1784	1916
50	10,68	1748	1936	2079
52	11,52	1891	2093	2249
54	12,45	2039	2258	2425
56	13,77	2193	2428	2608
58	14,36	2352	2604	2798
60	15,23	2517	2787	2994
64	17,49	2864	3171	3406
66	18,60	3045	3372	3622
68	19,74	3233	3580	3845
70	20,92	3426	3794	4075
72	22,14	3624	4013	4311
74	23,38	3829	4240	4554



1 x 7
 Ø 3 - 12 mm

Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1670	Class 1770
(mm)	(kg/m)	(kN)	(kN)	(kN)
3	0,04	7,5	8,0	8,44
3,5	0,06	10,2	10,8	11,5
4	0,08	13,3	14,2	15,0
4,5	0,10	16,9	17,9	19,0
5	0,12	20,8	22,1	23,5
6	0,18	30,0	31,9	33,8
6,4	0,20	34,1	36,3	38,4
7	0,24	40,8	43,4	46,0
8	0,31	53,3	56,6	60,1
9	0,40	67,4	71,7	76,0
9,5	0,44	75,1	79,9	84,7
10	0,49	83,2	88,5	93,8
11	0,59	101	107	114
12	0,70	120	127	135

EN 12385-10:
 Spiral ropes for general
 structural applications

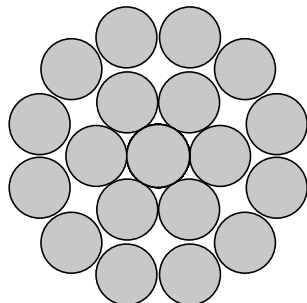
EN 10264:
 Steel wire for ropes

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1 x 19

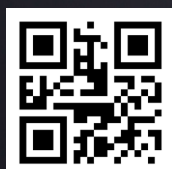
Ø 2,5 - 20 mm

EN 12385-10:
Spiral ropes for general
structural applications

EN 10264:
Steel wire for ropes

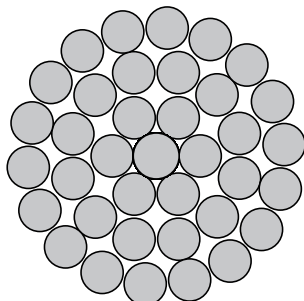
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1670	Class 1770
(mm)	(kg/m)	(kN)	(kN)	(kN)
2,5	0,03	5,2	5,5	5,82
3	0,04	7,4	7,9	8,4
3,5	0,06	10,1	10,8	11,4
4	0,08	13,2	14,1	14,9
4,5	0,10	16,7	17,8	18,9
5	0,12	20,6	22,0	23,3
6	0,18	29,7	31,6	33,5
6,4	0,20	33,8	36,0	38,1
7	0,24	40,5	43,0	45,6
8	0,31	52,9	56,2	59,6
9	0,39	66,9	71,2	75,4
9,5	0,44	74,5	79,3	84,0
10	0,49	82,6	88	93,1
11	0,59	99,9	106	113
12	0,70	119	126	134
13	0,82	140	148	157
14	0,95	162	172	182
15	1,02	174	185	196
16	1,24	211	225	238
18	1,57	268	285	302
19	1,75	298	317	336
20	1,94	330	351	372


1 x 37

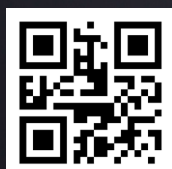
Ø 5 - 28 mm

 EN 12385-10:
 Spiral ropes for general
 structural applications

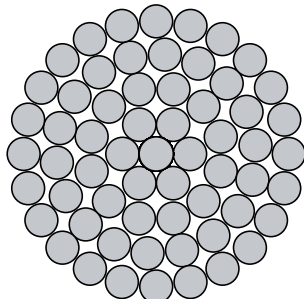
 EN 10264:
 Steel wire for ropes

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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1670	Class 1770
(mm)	(kg/m)	(kN)	(kN)	(kN)
5	0,12	20,1	21,4	22,7
6	0,17	29,0	30,8	32,7
6,4	0,20	33,0	35,1	37,2
7	0,24	39,5	42,0	44,5
8	0,31	51,5	54,8	58,1
9	0,39	65,2	69,4	73,5
9,5	0,44	72,7	77,3	81,9
10	0,48	80,5	85,6	90,8
11	0,59	97,4	104	110
12	0,69	116	123	131
13	0,82	136	145	153
14	0,95	158	168	178
14,5	1,02	169	180	191
16	1,24	206	219	232
18	1,57	261	277	294
19	1,75	291	309	328
20	1,93	322	343	363
22	2,34	390	414	439
24	2,79	464	493	523
26	3,27	544	579	614
28	3,79	631	671	712


1 x 61

Ø 12 - 40 mm

Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1670	Class 1770
(mm)	(kg/m)	(kN)	(kN)	(kN)
12	0,70	116	123	131
13	0,82	136	145	153
14	0,95	158	168	178
14,5	1,02	169	180	191
16	1,24	206	219	232
18	1,56	261	277	294
19	1,74	290	309	327
20	1,93	322	342	363
22	2,34	389	414	439
24	2,78	463	493	522
26	3,27	544	578	613
28	3,79	630	671	711
30	4,35	724	770	816
32	4,95	823	876	928
34	5,60	930	989	1050
35	5,90	985	1048	1111
36	6,30	1042	1109	1175
38	7,00	1161	1235	1310
40	7,70	1290	1369	1451

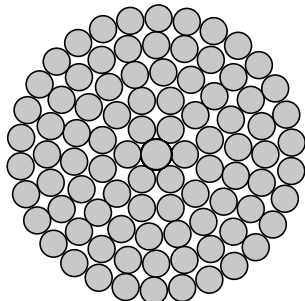
EN 12385-10:
Spiral ropes for general
structural applications

EN 10264:
Steel wire for ropes

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1 x 91

Ø 30 - 48 mm

Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1670	Class 1770
(mm)	(kg/m)	(kN)	(kN)	(kN)
30	4,34	722	771	817
32	4,93	822	877	930
34	5,57	927	990	1050
36	6,24	1040	1110	1172
38	6,96	1160	1237	1310
40	7,71	1284	1371	1450
42	8,50	1415	1511	1596
44	9,33	1553	1659	1751
46	10,20	1700	1813	1914
48	11,10	1850	1974	2084

EN 12385-10:
Spiral ropes for general
structural applications

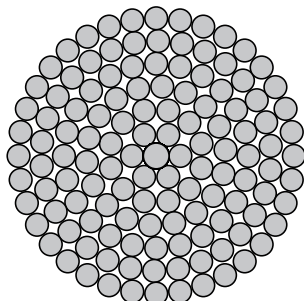
EN 10264:
Steel wire for ropes

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1 x 127

Ø 40 - 56 mm

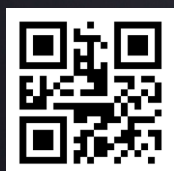
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1570	Class 1670	Class 1770
(mm)	(kg/m)	(kN)	(kN)	(kN)
40	7,69	1280	1361	1443
42	8,48	1411	1501	1591
44	9,31	1549	1647	1746
46	10,17	1693	1800	1908
48	11,08	1843	1960	2078
50	12,00	2000	2127	2260
51	12,50	2090	2213	2350
52	13,00	2170	2301	2440
54	14,00	2340	2481	2640
56	15,10	2510	2668	2840

EN 12385-10:
Spiral ropes for general
structural applications

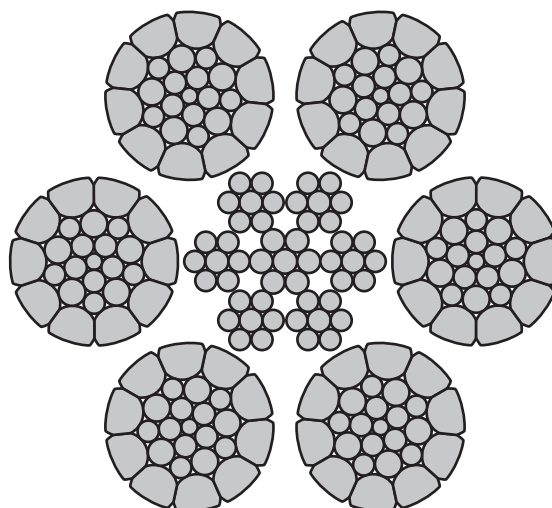
EN 10264:
Steel wire for ropes

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RoBoLift 6C

6-STRAND ROPES

DESCRIPTION

- Compacted strands increase the breaking load and wears resistance, extend service life of the rope, and reduces abrasion of pulleys
- Heavy lubrication at each stranding procedure

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

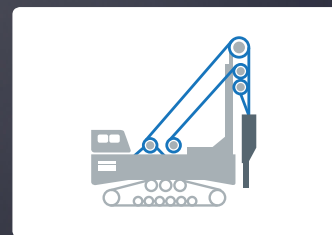
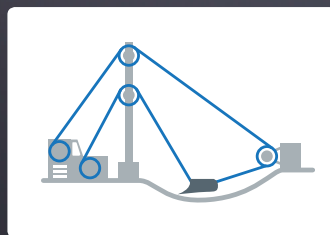
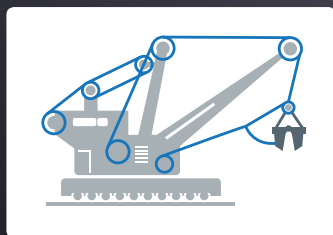
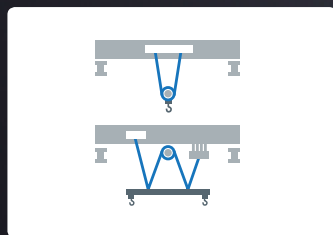
Average fill factor 0,672

- Overhead gantry crane, walking dragline, drag scraper, pile hammer
- Suspension Rope, Drag Rope Load Line, Haul back line, Hammer Hoist Rope, Boom Hoist Rope
- Suitable for working in hard conditions where high breaking load and abrasion resistance is required

SWIVEL



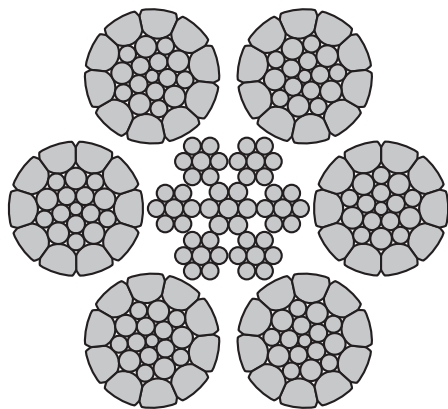
Bright / Galvanized



RoBoLift 6C

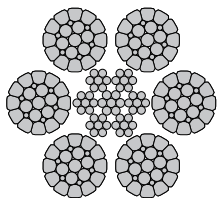
6xK26WS-IWRC

Ø 12 - 50 mm



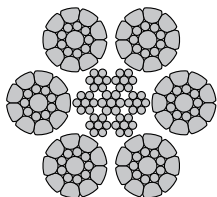
6xK25F-IWRC

Ø 14 - 50 mm



6xK19S-IWRC

Ø 10 - 50 mm

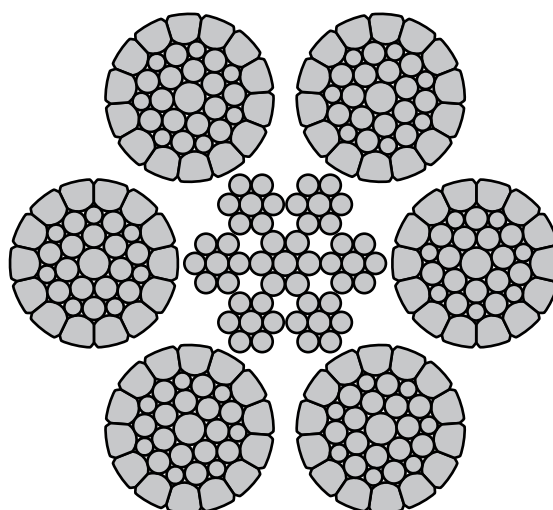


Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
10	0,462	77	85,3	91,5
11	0,548	91	101	110
12	0,652	109	120	127
13	0,781	133	147	157
14	0,906	152	169	183
15	1,04	173	192	207
16	1,18	196	217	235
18	1,49	248	275	298
19	1,66	273	302	325
20	1,84	301	334	363
22	2,18	363	402	435
24	2,63	439	487	525
25	2,86	477	528	571
26	3,12	516	576	616
28	3,62	595	659	713
30	4,15	683	756	818
32	4,65	767	849	925
34	5,28	869	962	1047
35	5,64	919	1024	1115
36	5,90	975	1080	1175
38	6,62	1066	1180	1298
40	7,14	1177	1304	1419
41	7,52	1243	1376	1498
44	8,67	1414	1566	1715
45	9,05	1479	1638	1782
48	10,27	1698	1880	2025
50	11,05	1819	2014	2179

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RoBoLift 6C

6-STRAND ROPES

DESCRIPTION

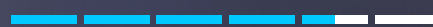
- Compacted strands increase the breaking load and wears resistance, extend service life of the rope and reduces abrasion of pulleys
- Heavy lubrication at each stranding procedure

TECHNICAL CHARACTERISTICS

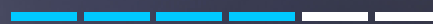
ROTATION STABILITY



CRUSHING & ABRASION



LOAD CAPACITY



FLEXIBILITY



APPLICATION

Average fill factor 0,680

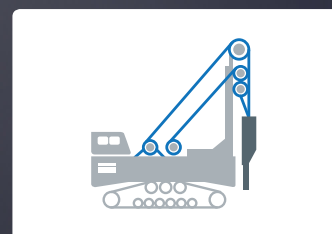
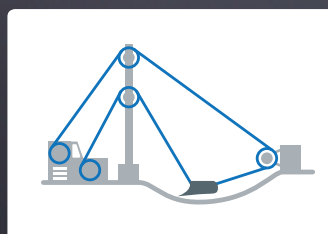
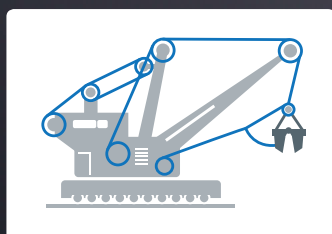
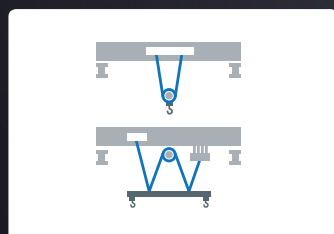
- Overhead gantry crane, walking dragline, drag scraper, pile hammer
- Suspension Rope, Drag Rope Load Line, Haul back line, Hammer Hoist Rope, Boom Hoist Rope
- Suitable for working in hard conditions where high breaking load and abrasion resistance is required

SWIVEL



NO

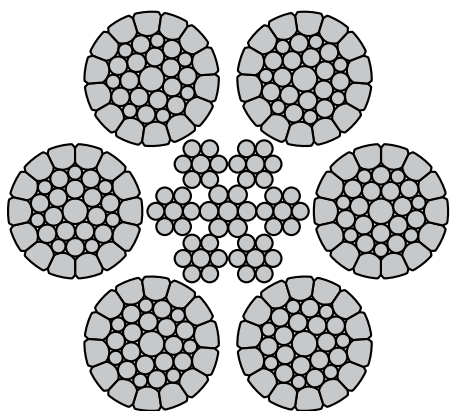
Bright / Galvanized



RoBoLift 6C

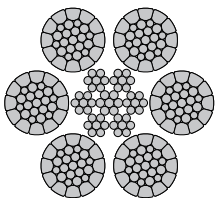
6xK36WS-IWRC

Ø 12 - 64 mm



6xK31WS-IWRC

Ø 12 - 64 mm



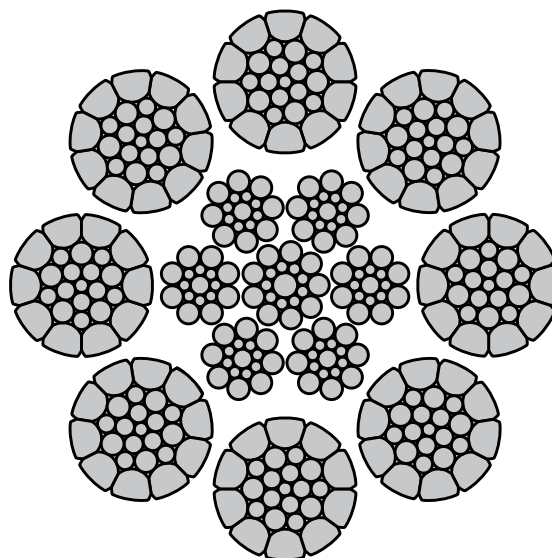
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
12	0,683	112	124	131
13	0,792	131	147	157
14	0,930	153	169	183
15	1,06	176	194	208
16	1,19	198	219	237
18	1,52	250	277	298
19	1,68	275	305	329
20	1,85	307	340	368
22	2,26	370	410	441
24	2,74	447	492	540
25	2,93	481	532	576
26	3,14	520	581	622
28	3,68	604	663	722
30	4,21	689	763	831
32	4,75	777	861	949
34	5,45	891	980	1070
35	5,71	933	1033	1131
36	6,09	992	1099	1192
38	6,65	1101	1220	1328
40	7,43	1222	1353	1455
41	7,70	1262	1398	1516
44	8,87	1441	1595	1736
45	9,21	1496	1657	1780
48	10,51	1707	1891	2045
50	11,41	1853	2052	2219
52	12,30	1997	2211	2391
54	13,41	2179	2413	2610
56	14,27	2308	2556	2764
58	15,25	2479	2745	2968
60	16,43	2669	2956	3196
64	18,54	2998	3320	3584


ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoLift 8C

8-STRAND ROPES

DESCRIPTION

- Compacted strands provide very high break strength and abrasion resistance
- Excellent resistance to crushing
- Increased service life of the rope
- Heavy lubrication at each stranding procedure

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

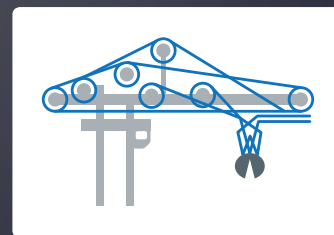
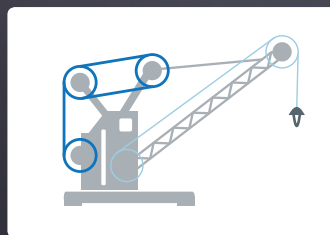
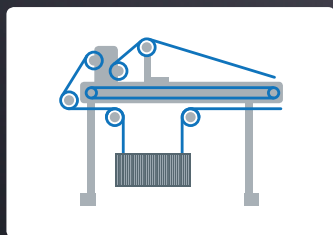
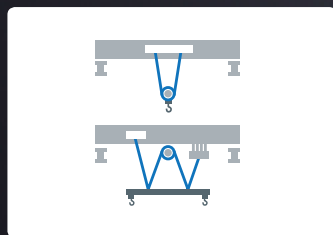
Average fill factor 0,674

- Main hoist rope, boom hoist rope and trolley rope for overhead gantry cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load is required

SWIVEL



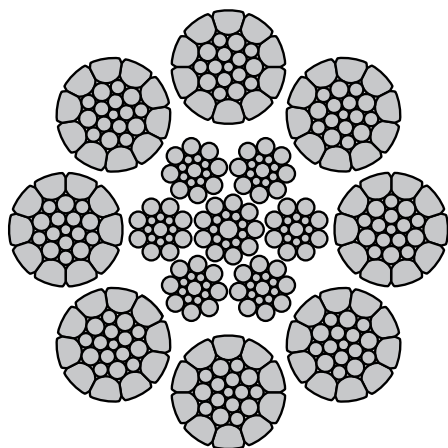
Bright / Galvanized



RoBoLift 8C

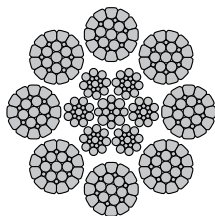
8xK26WS-IWRC

Ø 14 - 60 mm



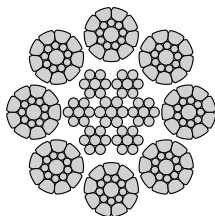
8xK25F-IWRC

Ø 16 - 60 mm



8xK19S-IWRC

Ø 10 - 54 mm

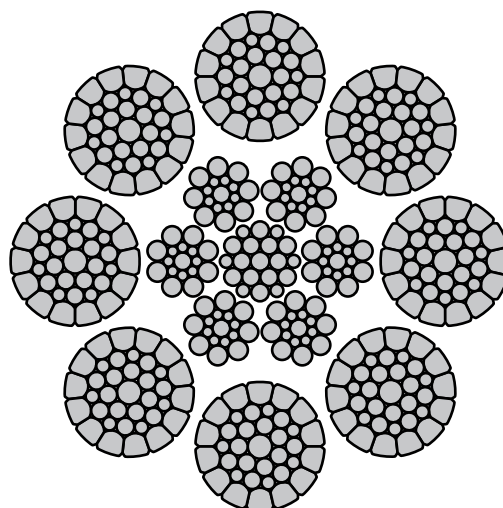


Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	0,911	154	171	184
16	1,19	201	223	240
18	1,49	255	282	303
20	1,87	319	353	378
22	2,25	381	422	454
24	2,69	454	503	541
25,4	3,00	508	563	605
26	3,19	542	600	644
28	3,70	625	692	749
30	4,23	714	791	855
32	4,78	814	901	969
34	5,40	917	1016	1097
35	5,68	966	1070	1151
36	6,04	1021	1130	1222
38	6,78	1142	1265	1369
40	7,46	1259	1394	1509
42	8,25	1393	1542	1665
44	8,94	1518	1681	1817
46	9,85	1654	1832	1983
48	10,81	1827	2023	2171
50	11,61	1961	2172	2351
52	12,55	2121	2348	2526
54	13,46	2268	2512	2719
56	14,56	2454	2718	2942
58	15,52	2610	2890	3128
60	16,48	2775	3072	3325

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RoBoLift 8C

8-STRAND ROPES

DESCRIPTION

- Compacted strands provide very high break strength and abrasion resistance
- Excellent resistance to crushing
- Increased service life of the rope
- Heavy lubrication at each stranding procedure

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

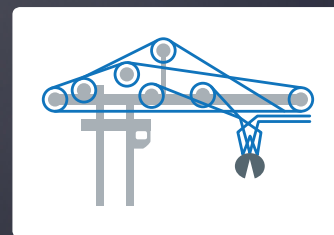
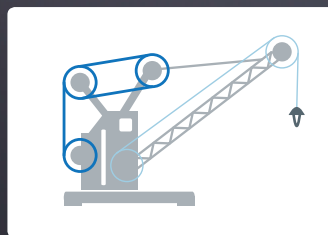
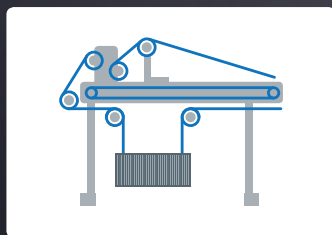
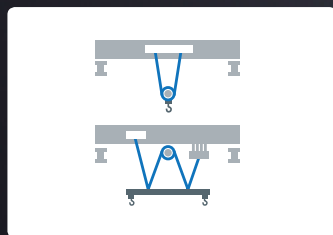
Average fill factor 0,682

- Main hoist rope, boom hoist rope and trolley rope for overhead gantry cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load is required

SWIVEL



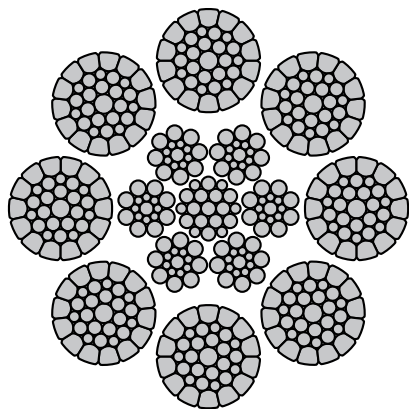
Bright / Galvanized



RoBoLift 8C

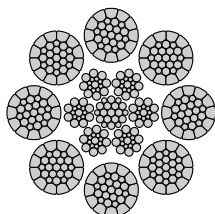
8xK36WS-IWRC

Ø 14 - 64 mm



8xK31WS-IWRC

Ø 14 - 60 mm



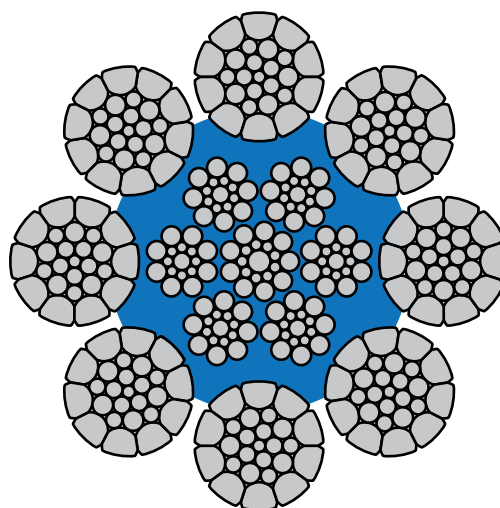
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	0,914	155	172	185
16	1,19	203	224	242
18	1,52	256	284	305
20	1,87	319	353	379
22	2,25	383	424	456
24	2,73	458	509	546
25,4	3,02	511	566	609
26	3,23	546	605	647
28	3,72	631	699	752
30	4,23	716	793	858
32	4,81	816	904	974
34	5,42	921	1020	1104
35	5,71	973	1078	1162
36	6,08	1032	1143	1233
38	6,78	1148	1271	1374
40	7,58	1282	1419	1527
42	8,30	1406	1557	1679
44	9,14	1544	1710	1840
46	9,94	1680	1860	2001
48	10,90	1845	2043	2198
50	11,71	1992	2206	2373
52	12,66	2140	2369	2549
54	13,65	2314	2563	2757
56	14,68	2489	2756	2965
58	15,85	2670	2957	3181
60	16,73	2846	3152	3389
62	17,97	3047	3374	3630
64	19,15	3244	3592	3864

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoLift 8 CP

8-STRAND ROPES

DESCRIPTION

- Compacted strands provide very high break strength and abrasion resistance
- Excellent resistance to crushing
- Increased bend fatigue life
- Heavy lubrication at each stranding procedure
- Polymer coated core protects against corrosion and provides high structural stability

Bright / Galvanized

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY

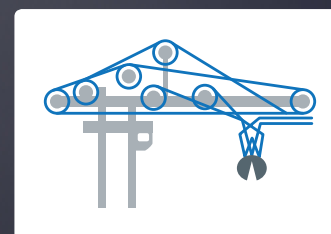
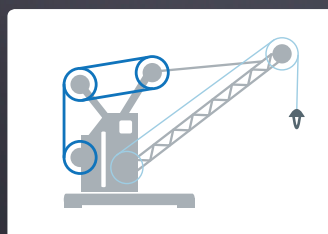
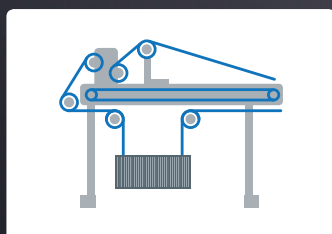
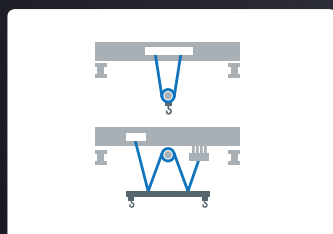


APPLICATION

- Main, boom, and trolley rope for overhead gantry cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load is required

Average fill factor 0,678

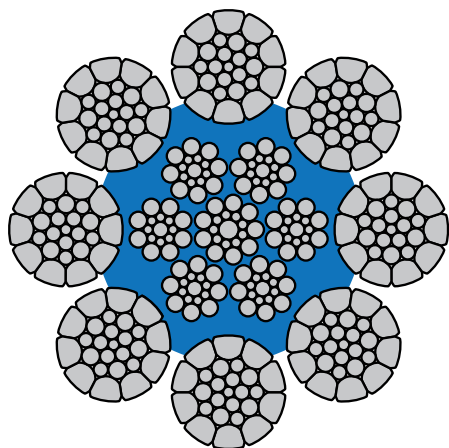
SWIVEL



RoBoLift 8 CP

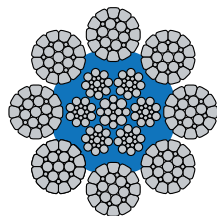
8xK26WS-EPIWRC

Ø 14 - 60 mm



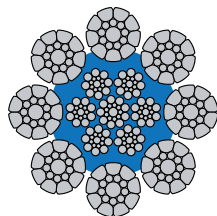
8xK25F-EPIWRC

Ø 16 - 60 mm



8xK19S-EPIWRC

Ø 10 - 54 mmw



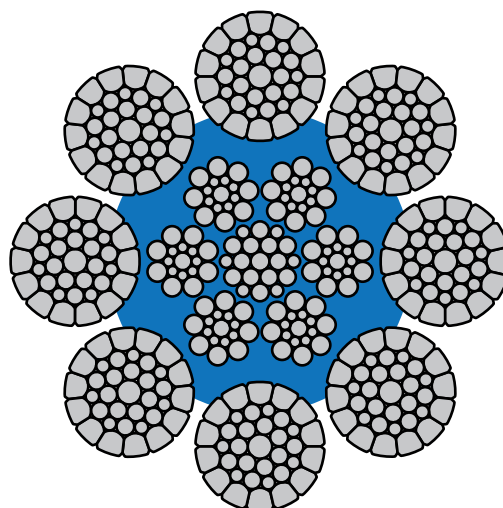
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	0,922	157	173	188
16	1,19	203	225	239
18	1,54	259	286	308
19	1,69	287	317	338
20	1,89	323	358	385
22	2,27	389	431	465
24	2,72	465	516	554
25	2,94	505	560	602
26	3,25	554	615	656
28	3,75	638	709	758
30	4,31	735	814	866
32	4,85	833	922	977
34	5,53	932	1032	1111
35	5,76	986	1090	1174
36	6,11	1041	1146	1233
38	6,79	1162	1287	1382
40	7,48	1285	1417	1531
42	8,32	1422	1577	1699
44	9,14	1554	1719	1861
46	9,87	1713	1871	2027
48	10,88	1864	2063	2213
50	11,78	2008	2223	2425
52	12,57	2154	2385	2622
54	13,68	2337	2588	2820
56	14,62	2489	2756	3022
58	15,88	2688	2959	3221
60	16,84	2872	3180	3443

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoLift 8 CP

8-STRAND ROPES

DESCRIPTION

- Compacted strands provide very high break strength and abrasion resistance
- Excellent resistance to crushing
- Increased bend fatigue life
- Heavy lubrication at each stranding procedure
- Polymer coated core protects against corrosion and provides structural stability

Bright / Galvanized

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

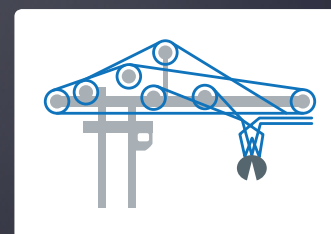
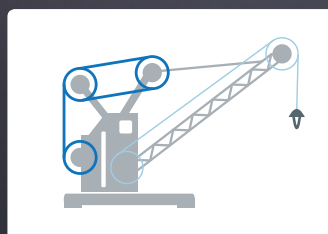
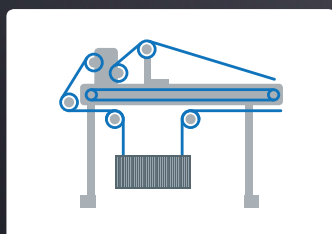
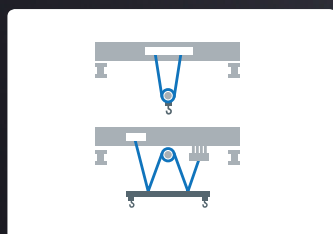
FLEXIBILITY



APPLICATION

- Main, boom, and trolley rope for overhead gantry cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load is required

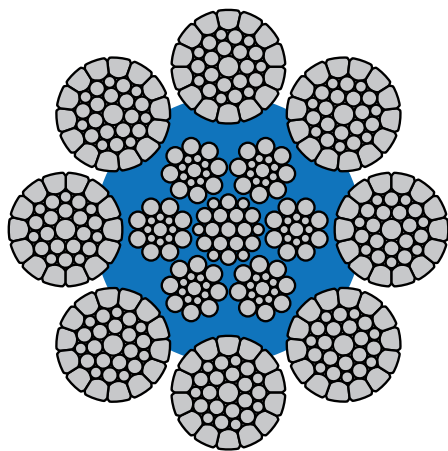
Average fill factor 0,685

SWIVEL


RoBoLift 8 CP

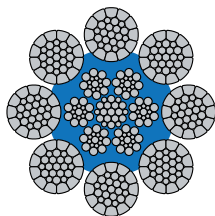
8xK36WS-EPIWRC

Ø 14 - 60 mm



8xK31WS-EPIWRC

Ø 14 - 60 mm



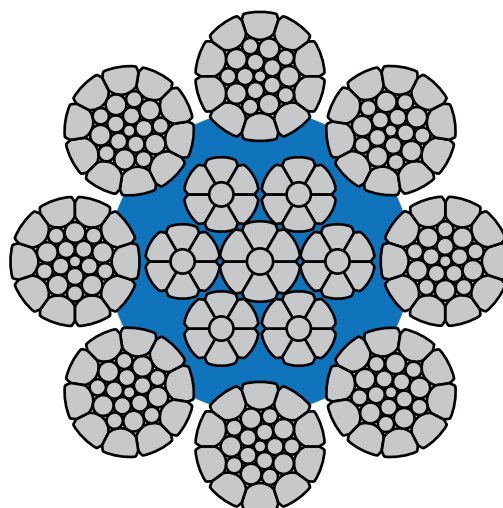
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	0,928	158	176	196
16	1,22	206	231	252
18	1,54	262	290	314
19	1,70	289	325	352
20	1,90	324	359	392
22	2,28	394	436	469
24	2,76	469	519	562
25	2,98	508	562	606
26	3,26	558	618	664
28	3,76	642	711	764
30	4,32	732	816	873
32	4,92	835	924	996
34	5,57	937	1054	1122
35	5,79	990	1090	1180
36	6,17	1052	1165	1254
38	6,86	1172	1297	1394
40	7,62	1295	1426	1547
42	8,40	1432	1586	1710
44	9,23	1564	1729	1871
46	9,95	1723	1882	2047
48	10,98	1872	2073	2235
50	11,95	2020	2237	2425
52	12,82	2167	2400	2622
54	13,85	2350	2603	2828
56	14,84	2508	2776	3032
58	15,94	2698	2970	3231
60	17,05	2892	3190	3455

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoLift 8 CPHD

8-STRAND ROPES

DESCRIPTION

- Compacted strands and compacted core provide extremely high break strength
- Excellent resistance to crushing
- High service life
- Heavy lubrication at each stranding procedure
- Polymer coated core protects against corrosion and provides high structural stability

Bright / Galvanized

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY

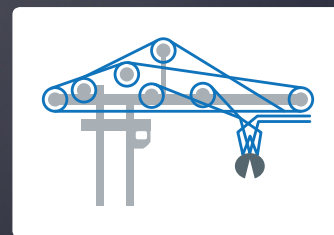
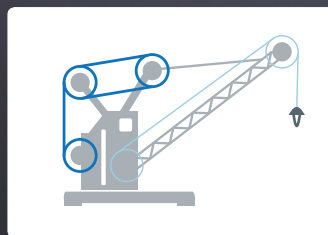
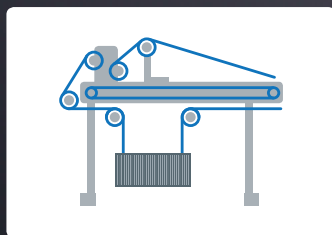
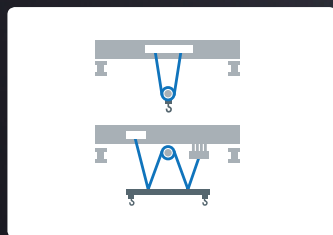


APPLICATION

- Main, boom, and trolley rope for overhead gantry cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load is required

Average fill factor 0,703

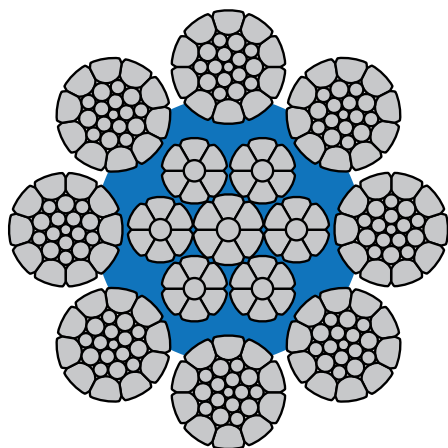
SWIVEL



RoBoLift 8 CPHD

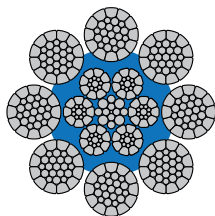
8xK26WS-EPIWRC(K)

Ø 14 - 48 mm



8xK31WS - EPIWRC(K)

Ø 14 - 48 mm

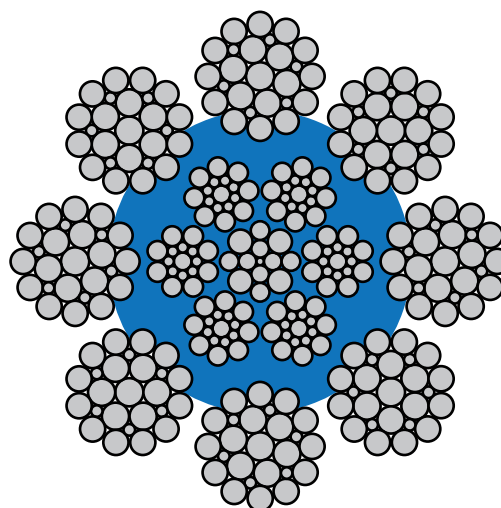


Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	0,956	164	181	198
15	1,10	188	208	227
16	1,25	211	234	256
17	1,41	236	262	288
18	1,58	267	295	322
19	1,79	302	335	369
20	1,98	334	370	403
22	2,40	408	451	497
24	2,83	473	524	571
25	3,08	522	578	635
26	3,35	561	621	678
28	3,86	657	728	800
30	4,45	767	848	933
32	5,09	866	958	1058
33	5,35	896	992	1080
34	5,69	955	1058	1152
35	6,02	1020	1129	1215
36	6,39	1081	1197	1288
38	7,17	1225	1356	1447
40	7,89	1343	1487	1597
42	8,68	1476	1642	1761
44	9,44	1599	1770	1905
46	10,39	1762	1951	2097
48	10,98	1858	2058	2201

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RoBoLift 8P

8-STRAND ROPES

DESCRIPTION

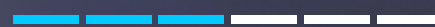
- Flexible and high service life
- Heavy lubrication at each stranding procedure
- Polymer coated core protects against corrosion and provides high structural stability

TECHNICAL CHARACTERISTICS

ROTATION STABILITY



CRUSHING & ABRASION



LOAD CAPACITY



FLEXIBILITY



APPLICATION

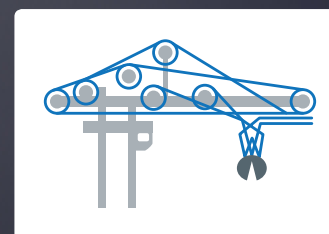
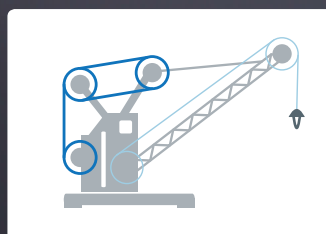
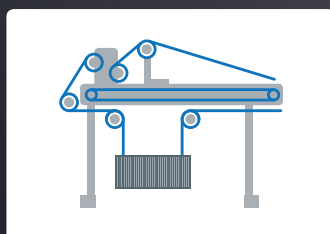
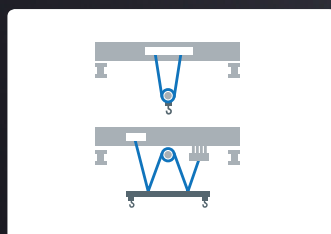
Average fill factor 0,620

- Main, boom, and trolley rope for overhead gantry cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load and abrasion resistance is required

SWIVEL



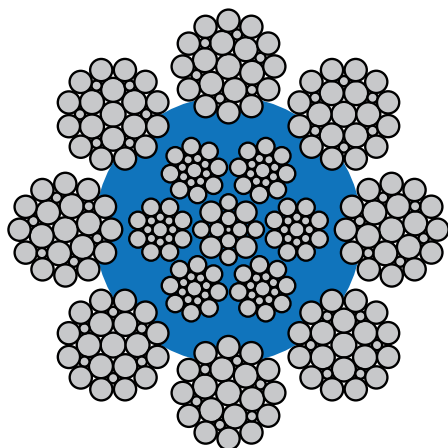
Bright / Galvanized



RoBoLift 8P

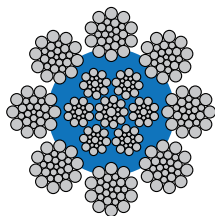
8x25F-EPIWRC

Ø 14 - 60 mm



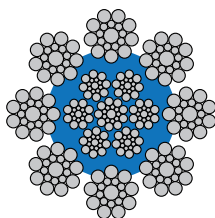
8x26WS-EPIWRC

Ø 16 - 60 mm



8x19S-EPIWRC

Ø 10 - 52 mm



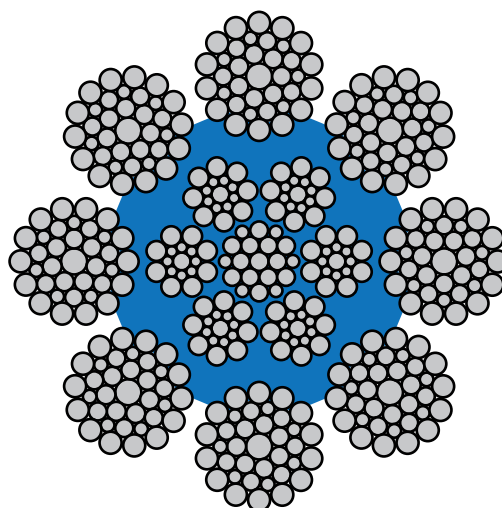
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Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
10	0,434	74,6	82,6	88,9
12	0,624	107	119	129
14	0,848	146	162	174
16	1,14	192	212	231
18	1,41	240	266	288
20	1,75	296	328	355
22	2,15	361	401	437
24	2,49	427	473	509
25	2,73	464	514	553
26	2,92	505	559	598
28	3,41	577	639	687
30	3,91	667	739	795
32	4,46	762	840	905
34	5,01	857	951	1027
35	5,31	908	1005	1078
36	5,62	956	1058	1139
38	6,29	1073	1189	1278
40	6,95	1186	1313	1414
42	7,68	1310	1452	1563
44	8,40	1435	1589	1710
46	9,18	1560	1728	1859
48	9,98	1699	1882	2025
50	10,85	1853	2052	2209
52	11,68	2023	2241	2411
54	12,57	2179	2413	2597
56	13,46	2347	2599	2781
58	14,55	2508	2777	2987
60	15,52	2625	2907	3136


ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoLift 8P

8-STRAND ROPES

DESCRIPTION

- Flexible and high service life
- Heavy lubrication at each stranding procedure
- Polymer coated core protects against corrosion and provides high structural stability

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

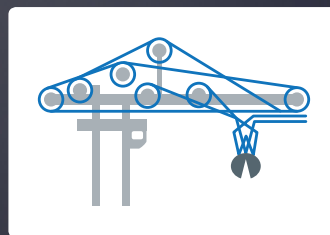
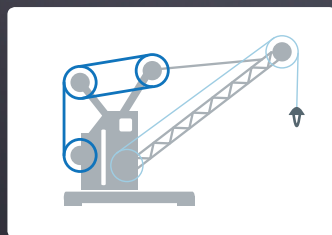
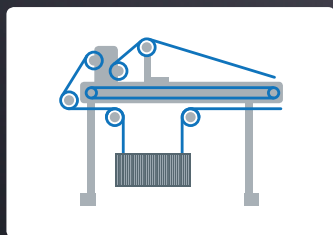
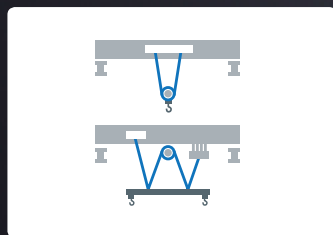
Average fill factor 0,628

- Main, boom, and trolley rope for overhead gantry cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load and abrasion resistance is required

SWIVEL



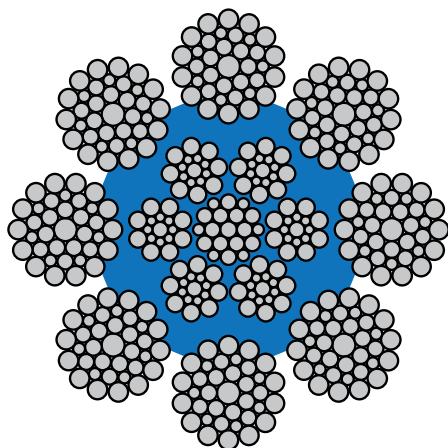
Bright / Galvanized



RoBoLift 8P

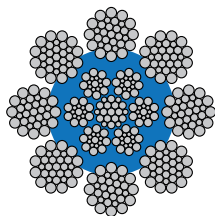
8x36WS - EPIWRC

Ø 14 - 64 mm



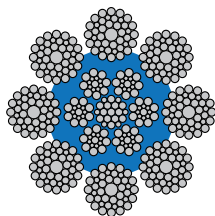
8x31WS - EPIWRC

Ø 14 - 64 mm



8x41WS - EPIWRC

Ø 34 - 64 mm

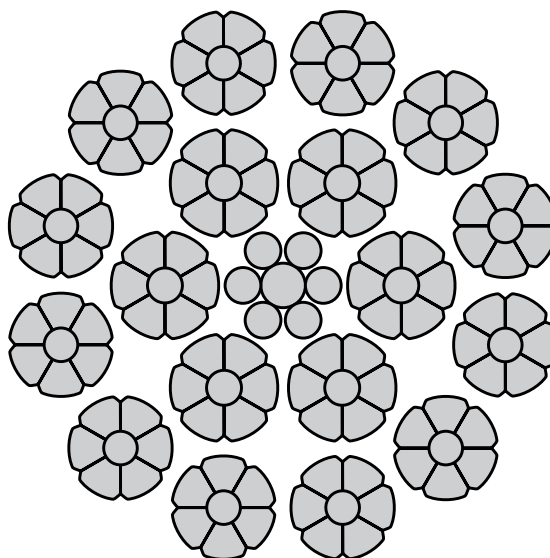


Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	0,864	147	163	175
16	1,15	193	213	232
18	1,43	243	269	289
20	1,78	298	330	357
22	2,16	363	402	439
24	2,54	429	475	512
25	2,76	466	516	558
26	2,98	507	561	600
28	3,46	580	642	691
30	3,97	671	743	799
32	4,51	766	845	909
34	5,10	861	954	1033
35	5,40	913	1011	1084
36	5,71	963	1065	1146
38	6,37	1080	1196	1283
40	7,05	1192	1320	1421
42	7,78	1318	1460	1570
44	8,54	1443	1598	1719
46	9,33	1568	1736	1869
48	10,16	1709	1892	2035
50	11,02	1863	2063	2220
52	11,92	2032	2249	2421
54	12,86	2190	2424	2609
56	13,83	2358	2611	2792
58	14,83	2522	2789	2998
60	15,87	2637	3019	3149
64	17,65	3019	3343	3598

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RoBoFlex 18C

ROTATION RESISTANT ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope also reducing abrasion of pulleys
- High rotation resistance
- High resistance to crushing
- Ordinary lay or Lang's lay is available
- Heavy lubrication at each stranding procedure

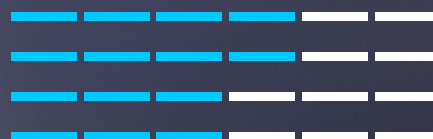
TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



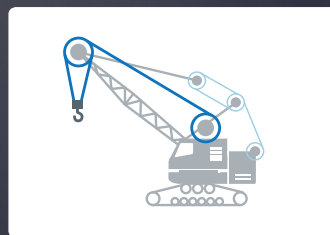
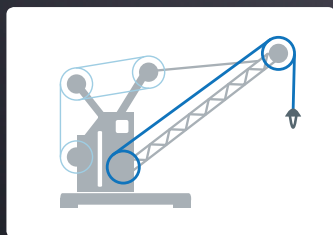
APPLICATION

- Main hoist rope for tower cranes, mobile cranes, dockside cranes, crawler cranes

Average fill factor 0,700 / 0,705

Bright

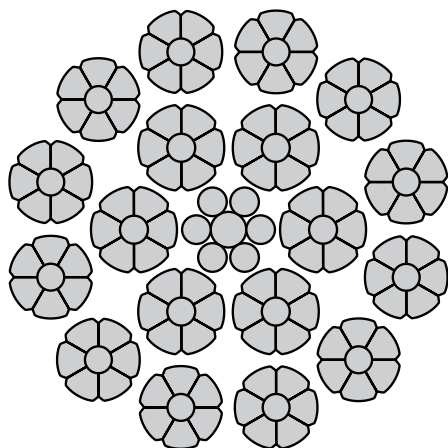
SWIVEL



RoBoFlex 18C

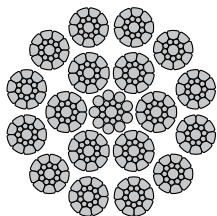
18xK7-WSC

Ø 13 - 32 mm



18xK19S - WSC

Ø 13 - 32 mm

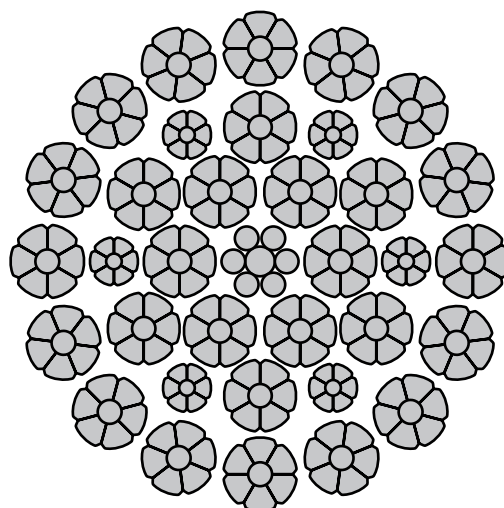


Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
13	0,823	135	149	160
14	0,951	157	173	185
15	1,09	177	197	214
16	1,27	201	222	243
17	1,39	226	251	274
18	1,56	253	279	308
19	1,74	282	311	341
20	1,93	314	348	378
21	2,14	348	386	420
22	2,35	383	424	461
24	2,82	450	498	549
25	3,03	494	547	596
26	3,31	540	598	651
28	3,79	620	687	748
30	4,37	712	788	859
32	4,96	810	897	977

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RoBoFlex 34C / 34CP

ROTATION RESISTANT ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys
- High resistance to crushing
- Ordinary lay or Lang's lay is available
- Heavy lubrication at each stranding procedure
- Superior axial balance provides excellent rotational stability
- Polymer coated core protects against corrosion and provides high structural stability

Bright / Galvanized

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

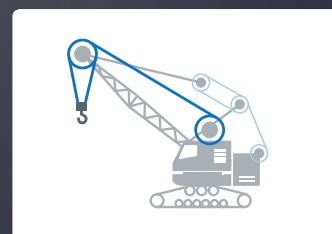
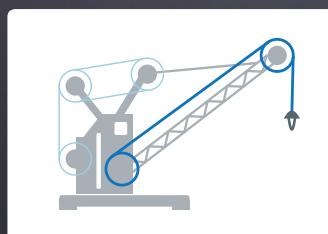
- Main rope for tower cranes, mobile cranes, dockside cranes, crawler cranes
- Can be used with swivel

Average fill factor 0,735

SWIVEL



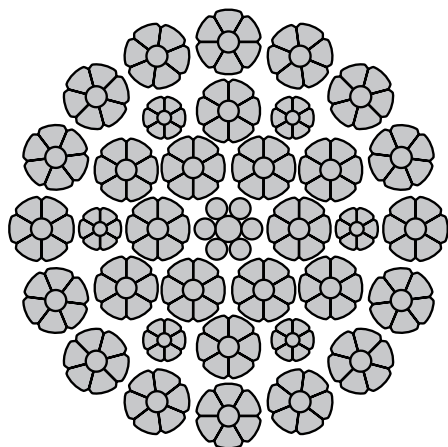
YES



RoBoFlex 34C / 34CP

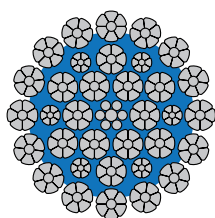
34xK7-WSC

Ø 13 - 48 mm



34xK7-EPWSC

Ø 13 - 48 mm



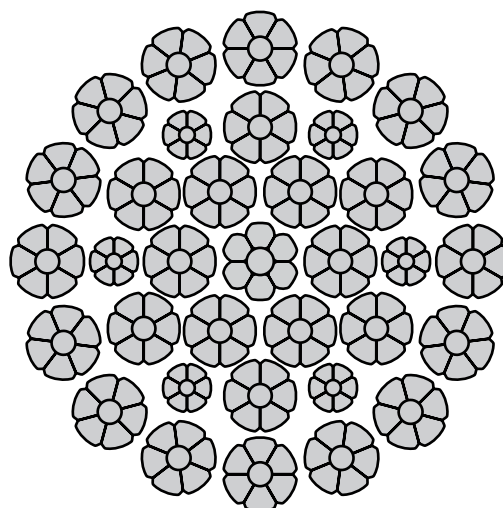
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
13	0,840	142	156	169
14	0,959	163	180	196
15	1,12	189	207	226
16	1,29	216	240	259
17	1,43	241	267	289
18	1,62	271	300	325
19	1,83	303	333	364
20	1,99	330	365	400
21	2,21	371	412	444
22	2,41	407	450	485
24	2,85	479	531	574
25	3,11	522	578	631
26	3,39	563	623	678
28	3,91	650	720	779
30	4,55	751	830	905
32	5,22	864	957	1029
34	5,67	953	1054	1153
35	6,10	1013	1122	1229
36	6,44	1075	1188	1298
38	7,26	1196	1326	1445
40	8,06	1330	1471	1606
42	8,83	1464	1622	1765
44	9,58	1601	1770	1932
46	10,48	1750	1936	2114
48	11,45	1914	2117	2311

2% higher weight for rope with plastic.

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**ŽDB DRÁTOVNA**MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL

RoBoFlex 35C/37C

ROTATION RESISTANT ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys
- High resistance to crushing
- Ordinary lay or Lang's lay is available
- Heavy lubrication at each stranding procedure
- Superior axial balance provides excellent rotational stability

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

- Main hoist rope for tower cranes, mobile cranes, dockside cranes, crawler cranes
- Can be used with swivel

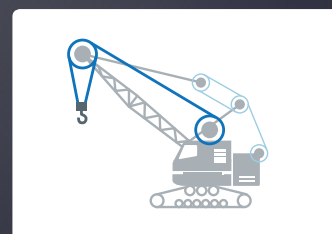
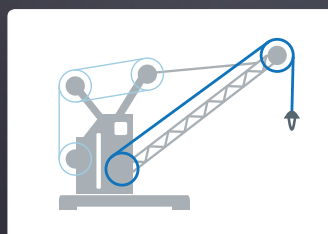
Average fill factor 0,725

SWIVEL



YES

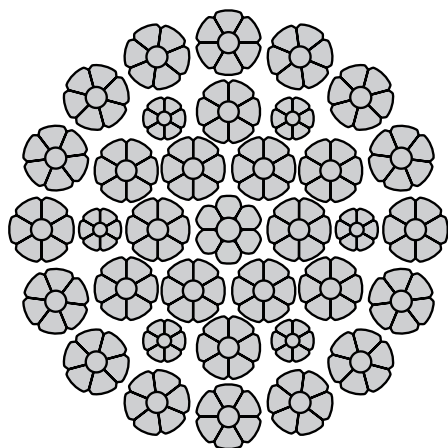
Bright / Galvanized



RoBoFlex 35C

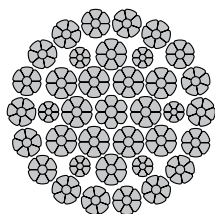
35xK7

Ø 13 - 48 mm



37xK7

Ø 13 - 48 mm



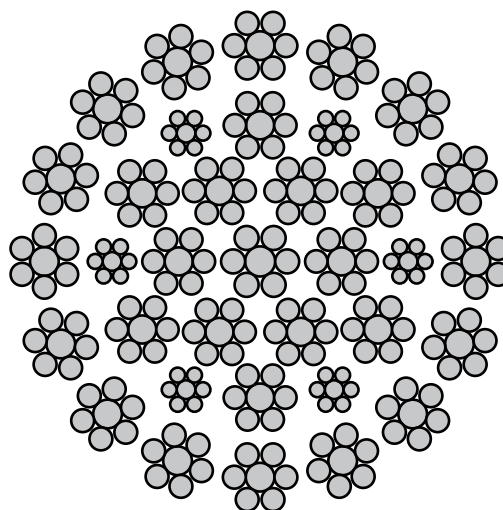
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
13	0,827	136	148	163
14	0,948	158	172	189
15	1,09	181	197	217
16	1,24	206	224	247
17	1,41	233	256	279
18	1,57	261	287	312
19	1,75	291	317	348
20	1,96	322	357	395
21	2,16	355	393	428
22	2,35	390	431	474
24	2,82	464	514	555
25	3,06	503	557	603
26	3,31	544	603	652
28	3,85	631	699	761
30	4,41	725	802	868
32	5,05	841	931	987
34	5,63	931	1031	1115
35	6,04	986	1092	1181
36	6,44	1043	1155	1250
38	7,07	1163	1287	1392
40	8,06	1288	1426	1550
42	8,64	1420	1573	1701
44	9,26	1559	1726	1867
46	10,36	1704	1886	2040
48	11,28	1855	2054	2222

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RoBoFlex 35

ROTATION RESISTANT ROPES

DESCRIPTION

- Resistance to crushing
- Very flexible rope
- Ordinary lay or Lang's lay is available
- Heavy lubrication at each stranding procedure
- Superior axial balance provides excellent rotational stability

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

- Main hoist rope for tower cranes, mobile cranes, dockside cranes, crawler cranes
- Can be used with swivel

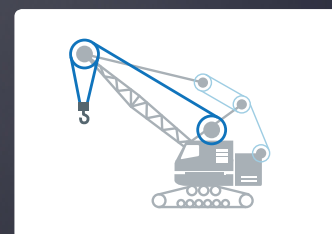
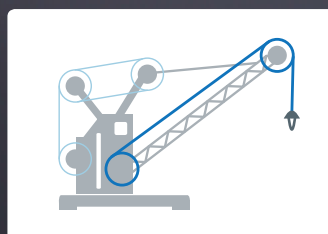
Average fill factor 0,648

SWIVEL



YES

Bright / Galvanized

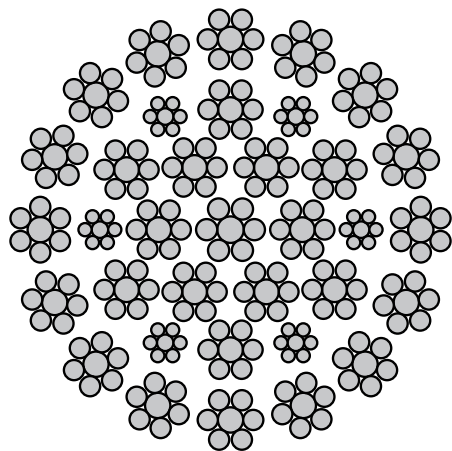

 EN 12385-4: Stranded ropes for general lifting applications
 EN 10264: Steel wire for ropes

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RoBoFlex 35

35x7

Ø 13 - 48 mm

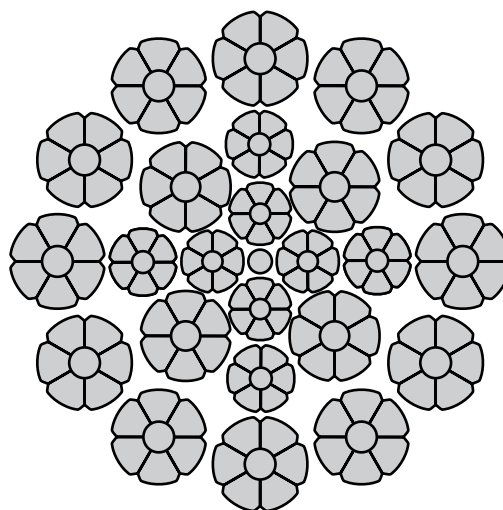


Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
13	0,771	120	133	145
14	0,885	139	154	168
15	1,00	160	177	193
16	1,15	182	202	219
17	1,28	206	228	248
18	1,44	231	255	278
19	1,57	257	284	309
20	1,81	285	315	343
21	1,99	314	347	378
22	2,20	344	381	415
23	2,38	376	417	453
24	2,60	410	454	495
25	2,84	445	492	536
26	3,10	481	533	579
27	3,28	519	574	625
28	3,56	558	618	672
29	3,86	598	663	721
30	4,14	640	709	771
31	4,38	684	757	824
32	4,70	729	807	878
33	4,98	775	858	933
34	5,28	822	911	991
35	5,56	872	965	1050
36	5,86	922	1021	1111
38	6,65	1027	1138	1238
40	7,35	1138	1261	1372
42	8,05	1255	1390	1512
44	8,85	1377	1525	1660
46	9,61	1506	1667	1814
48	10,46	1639	1815	1975

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RoBoFlex 24C

ROTATION RESISTANT ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys
- High rotation resistance
- High resistance to crushing
- Ordinary lay or Lang's lay is available
- Heavy lubrication at each stranding procedure

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

- Main hoist rope for tower cranes, mobile cranes, dockside cranes, crawler crane

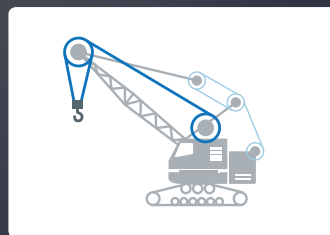
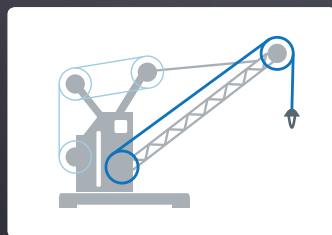
Average fill factor 0,710

Bright / Galvanized

SWIVEL



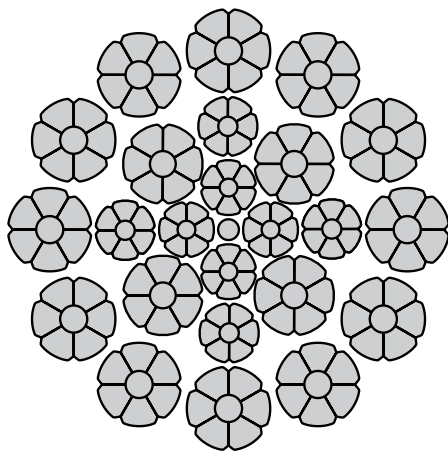
NO



RoBoFlex 24C

24xK7

Ø 13 - 36 mm



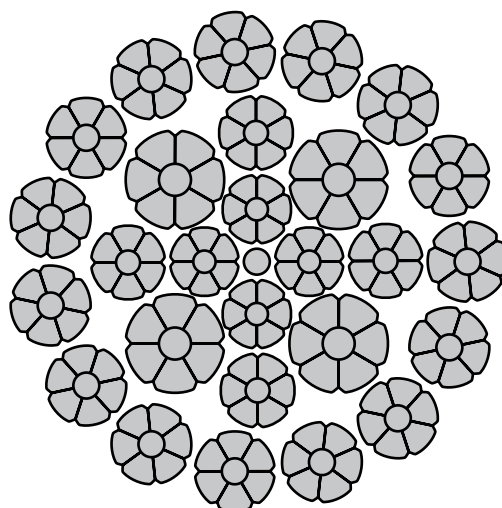
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
13	0,828	137	152	162
14	0,950	156	174	187
15	1,07	183	203	218
16	1,24	208	231	248
17	1,36	232	260	275
18	1,57	264	293	311
19	1,74	291	322	344
20	1,92	324	358	384
21	2,14	362	400	426
22	2,32	388	432	466
24	2,76	466	516	555
25	3,02	502	556	601
26	3,26	543	601	650
28	3,78	630	698	754
30	4,34	722	800	865
32	4,93	820	909	983
34	5,56	926	1026	1109
35	5,89	980	1085	1174
36	6,23	1037	1148	1242

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoFlex 27C / 27CP

ROTATION RESISTANT ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys
- High resistance to crushing
- Ordinary lay or Lang's lay is available
- Heavy lubrication at each stranding procedure
- Very high rotation stability
- Polymer coated core protects against corrosion and provides high structural stability

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

- Main hoist rope for tower cranes, mobile cranes, dockside cranes, crawler cranes
- Can be used with swivel

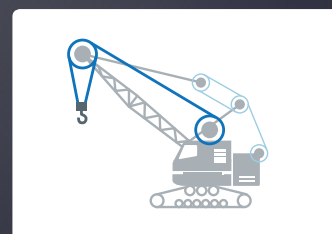
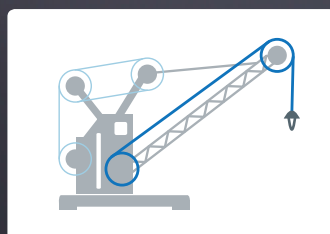
Average fill factor 0,720

SWIVEL



YES

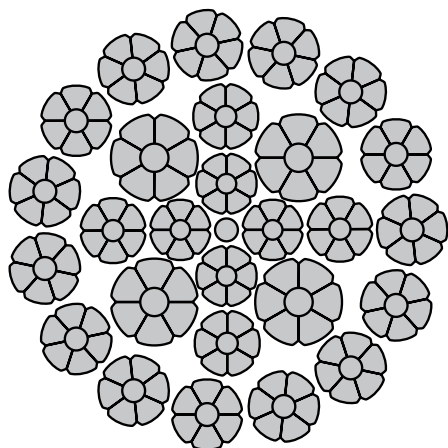
Bright / Galvanized



ROBOFLEX 27C

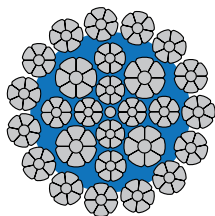
27xK7 - WSC

Ø 13 - 36 mm



27xK7 - EPWSC

Ø 13 - 36 mm



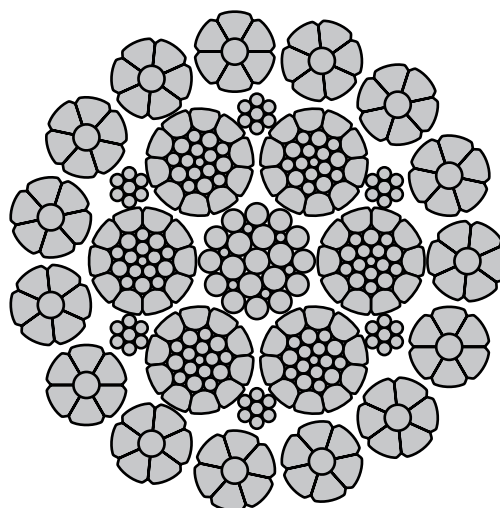
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
13	0,831	139	153	166
14	0,952	158	176	188
15	1,08	184	204	219
16	1,26	210	232	250
17	1,38	234	260	278
18	1,57	266	295	318
19	1,76	293	324	346
20	1,96	326	361	387
21	2,16	364	403	428
22	2,36	390	433	468
24	2,78	469	519	558
25	3,03	504	558	602
26	3,27	545	603	651
28	3,80	632	699	755
30	4,36	725	803	867
32	4,96	825	914	986
34	5,60	931	1031	1114
35	5,93	987	1093	1180
36	6,27	1044	1156	1249

2% higher weight for rope with plastic.

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RoBoFlex15C

ROTATION RESISTANT ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys
- High resistance to crushing
- Very high breaking load
- High service life
- Superior axial balance provides excellent rotational stability
- Heavy lubrication at each stranding procedure

Bright / Galvanized

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

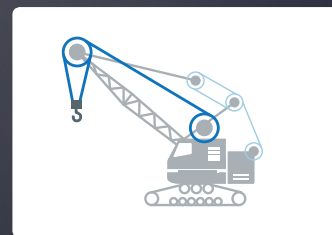
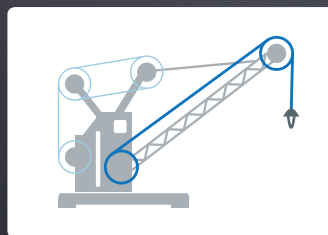
- Main hoist rope for tower cranes, mobile cranes, dockside cranes, crawler cranes
- Can be used with swivel

Average fill factor 0,725

SWIVEL

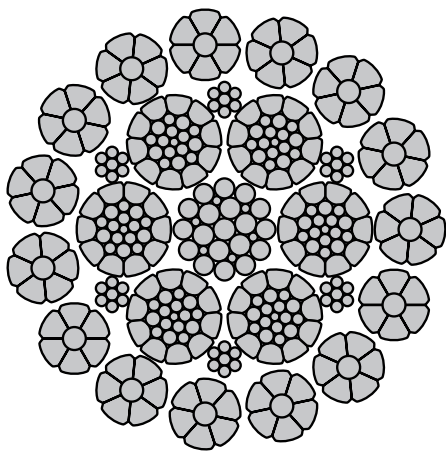


YES



RoBoFlex15C

Ø 16 - 40 mm



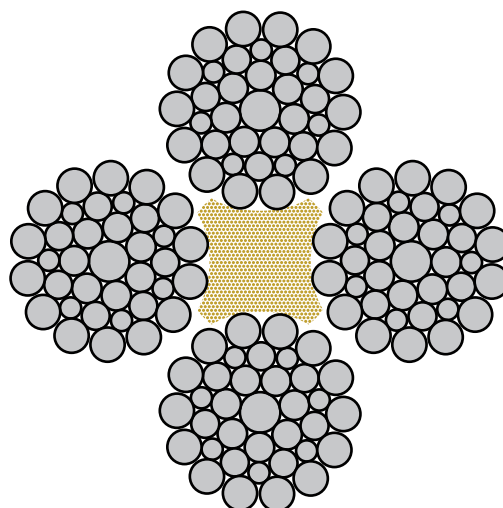
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
16	1,27	217	240	258
17	1,42	243	269	290
18	1,60	274	303	326
19	1,77	302	334	360
20	1,98	338	375	402
21	2,19	373	413	445
22	2,41	411	455	489
23	2,61	445	492	530
24	2,84	487	539	580
25	3,04	517	573	616
26	3,31	564	624	672
27	3,53	601	665	716
28	3,88	659	729	785
29	4,10	697	771	829
30	4,41	747	827	890
31	4,71	792	878	944
32	5,02	853	945	1016
33	5,34	904	1001	1077
34	5,62	962	1065	1146
35	6,00	1024	1134	1221
36	6,35	1084	1200	1291
38	7,08	1207	1337	1438
40	7,84	1342	1486	1598

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoFlex 4/4C

ROTATION RESISTANT ROPES

DESCRIPTION

- The number of strands and their placing in axis of the rope determine rotation stability and flexibility of the rope
- Ordinary lay
- Heavy lubrication at each stranding procedure
- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys

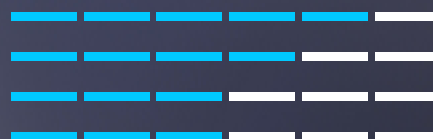
TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY

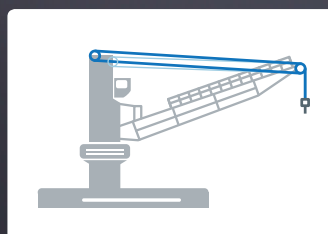
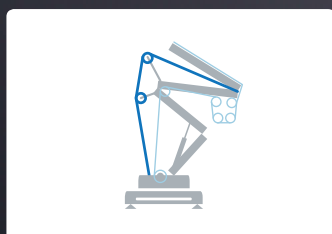
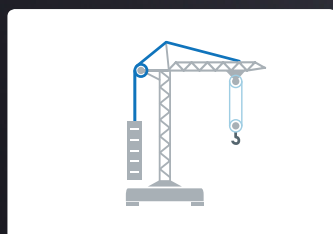


APPLICATION

Average fill factor 0,625 / 0,645

- Main hoist rope for pilling cranes, crawler cranes, desk cranes, self erect cranes

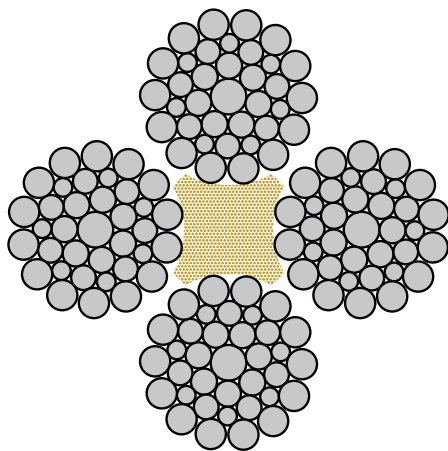
SWIVEL


Galvanized


RoBoFlex 4/4C

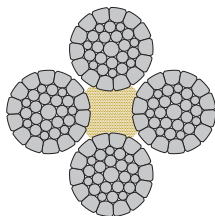
4x36WS - FC

Ø 16 - 42 mm



4xK36WS - FC

Ø 16 - 42 mm



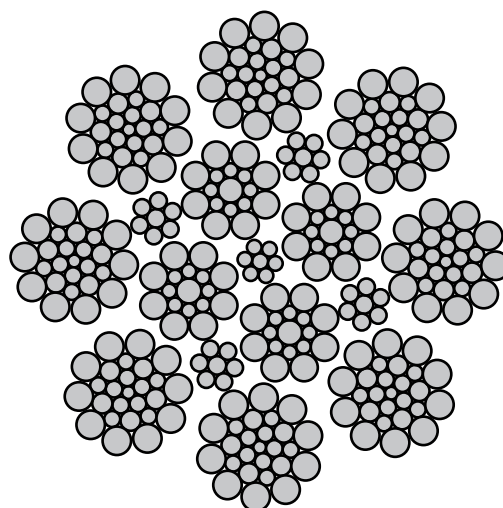
Nominal diameter Ø	Approximate mass		Minimum breaking force			
			Class 1960 / 1770		Class 1960	
	(kg / m)		CLAS.	COMP.	CLAS.	COMP.
(mm)	CLAS.	COMP.	(kN)	(kN)	(kN)	(kN)
16	0,995	1,13	175	198	183	208
18	1,24	1,42	215	254	231	267
20	1,51	1,76	272	314	285	330
22	1,88	2,13	330	380	345	399
24	2,26	2,53	388	452	407	475
25	2,45	2,75	431	491	455	515
26	2,56	2,97	459	531	477	558
28	3,05	3,45	532	615	554	647
30	3,49	3,98	608	707	635	746
32	3,96	4,51	706	805	723	843
34	4,37	5,09	781	904	816	950
35	4,68	5,34	832	952	865	1005
36	4,97	5,70	883	1016	900	1072
38	5,50	6,35	983	1175	1029	1191
40	6,16	7,03	1108	1301	1152	1320
42	6,83	7,75	1225	1435	1275	1455

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoStar 8

PARALLEL CLOSED ROPES

DESCRIPTION

- 8-strand rope in parallel lay construction
- Very flexible rope
- Very high breaking load
- Heavy lubrication at each stranding procedure
- High abrasion resistance and long service life
- Recommended for multi-layer spooling

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

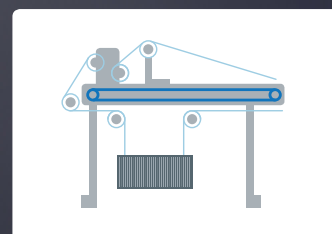
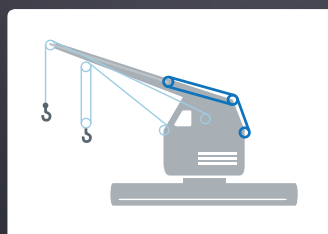
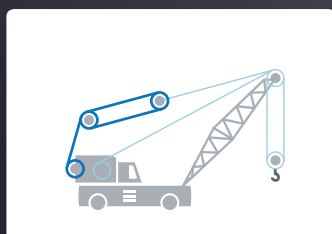
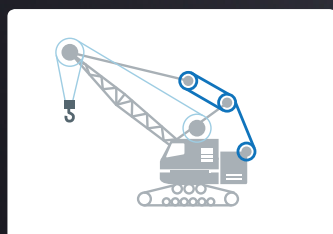
- Boom hoist rope for crawler cranes, mobile lattice boom cranes and offshore cranes
- Trolley rope for container cranes

Average fill factor 0,668

SWIVEL



Bright / Galvanized

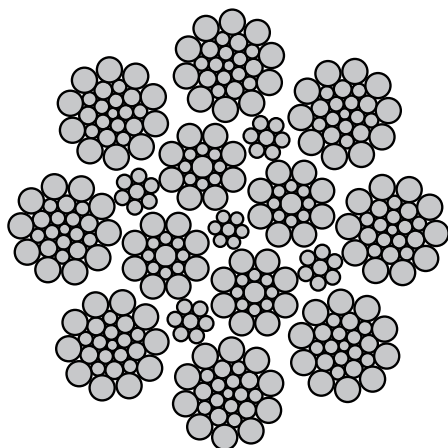

 EN 12385-4: Stranded ropes for general lifting applications
 EN 10264: Steel wire for ropes

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RoBoStar 8

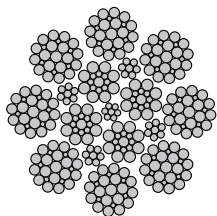
8x26WS - PWRC

Ø 14 - 48 mm



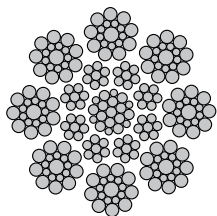
8x25F - PWRC

Ø 16 - 48 mm



8x19S - PWRC

Ø 10 - 36 mm



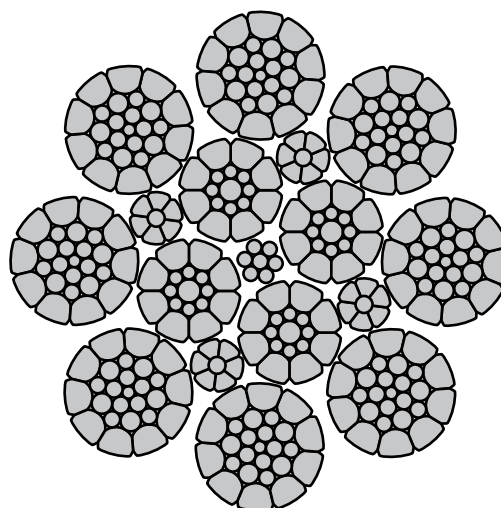
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
10	0,458	78,9	87,5	92,9
11	0,554	97,1	108	117
12	0,660	115	128	138
13	0,774	134	148	160
14	0,898	157	174	186
15	1,03	179	198	215
16	1,17	204	226	243
18	1,48	258	286	309
20	1,83	319	353	384
22	2,22	390	432	470
24	2,64	463	512	551
25	2,86	498	551	595
26	3,10	537	594	642
28	3,59	616	683	745
30	4,12	711	788	852
32	4,69	809	896	969
34	5,29	914	1012	1094
35	5,61	968	1072	1159
36	5,94	1032	1143	1226
38	6,61	1150	1273	1366
40	7,33	1267	1402	1514
42	8,08	1403	1553	1669
44	8,87	1535	1700	1832
46	9,69	1679	1859	2002
48	10,55	1828	2024	2180

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoStar 8C

PARALLEL CLOSED ROPES

DESCRIPTION

- 8-strand rope in parallel lay construction made out of compacted strands
- Very flexible rope
- Very high breaking load
- Heavy lubrication at each stranding procedure
- Very high abrasion resistance and long service life
- Excellent resistance to crushing and abrasion
- Recommended for multi-layer spooling

Bright / Galvanized

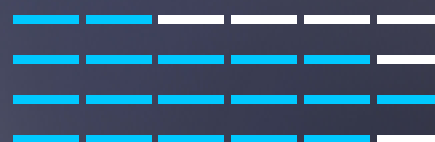
TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



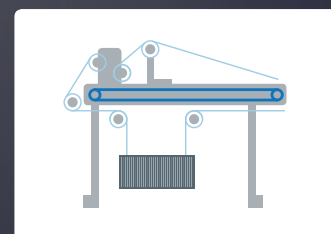
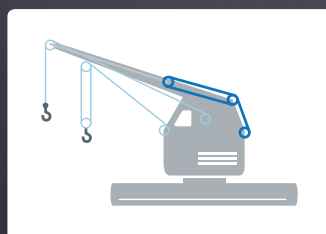
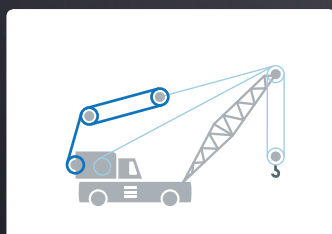
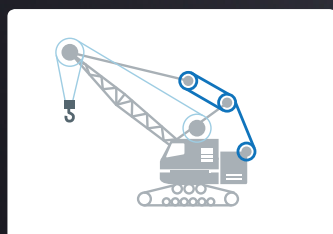
APPLICATION

- Boom hoist rope for crawler cranes, mobile lattice boom cranes, mobile cranes and offshore cranes
- Trolley rope for container cranes

Average fill factor 0,745

SWIVEL

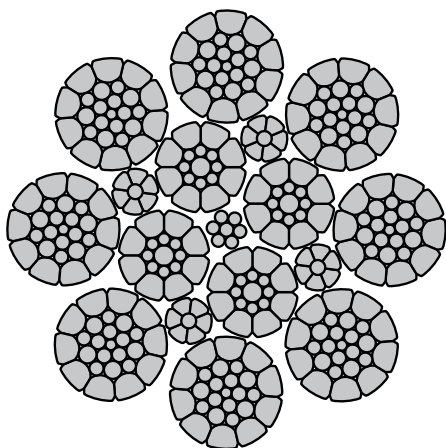

NO



RoBoStar 8C

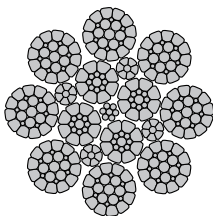
8xK26WS - PWRC(K)

Ø 14 - 48 mm



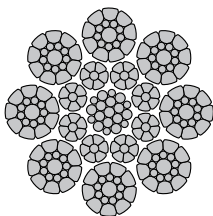
8xK25F - PWRC(K)

Ø 16 - 48 mm



8xK19S - PWRC(K)

Ø 10 - 36 mm



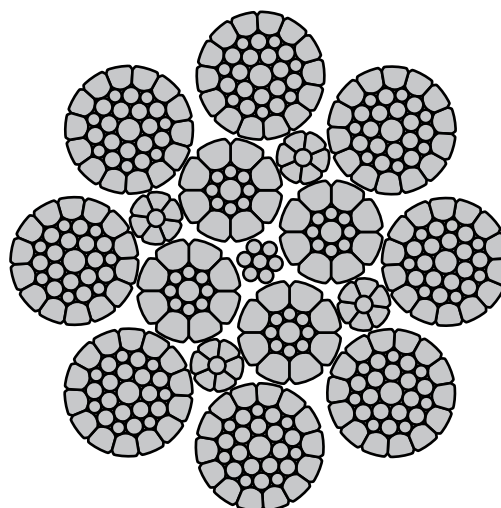
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
Inch	lb / ft	kN	kN	kN
10	0,500	85,0	94,0	104
11	0,610	103	114	125
12	0,690	123	136	150
13	0,839	143	159	175
14	1,01	167	184	203
15	1,13	192	213	234
16	1,24	219	242	267
18	1,60	279	309	340
20	2,02	343	379	418
22	2,34	415	459	506
24	2,88	491	543	599
25	3,13	533	590	651
26	3,37	575	636	701
28	3,92	671	743	818
30	4,36	773	856	943
32	5,14	875	967	1067
34	5,60	989	1095	1207
35	6,13	1060	1175	1286
36	6,54	1108	1220	1345
38	7,23	1231	1363	1502
40	7,83	1368	1515	1670
42	9,46	1514	1677	1848
44	9,78	1654	1831	2018
46	10,65	1808	2002	2206
48	11,58	1961	2172	2393

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoStar 8C

PARALLEL CLOSED ROPES

DESCRIPTION

- 8-strand rope in parallel lay construction made out of compacted strands
- Very flexible rope
- Very high breaking load
- Heavy lubrication at each stranding procedure
- Very high abrasion resistance and long service life
- Very fatigue resistant
- Recommended for multi-layer spooling

Bright / Galvanized

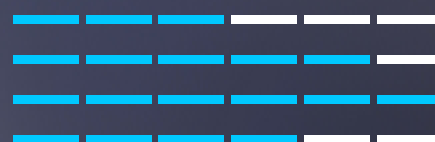
TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY

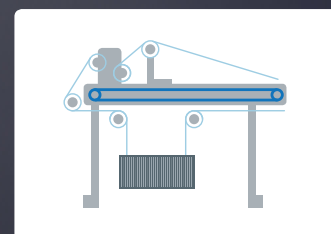
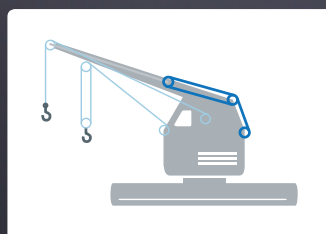
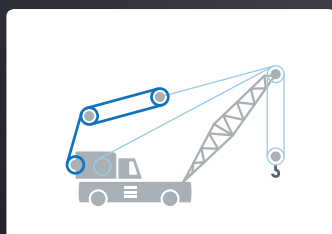
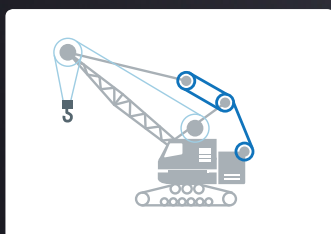


APPLICATION

- Boom hoist rope for crawler cranes, mobile lattice boom cranes and offshore cranes
- Trolley rope for container cranes

Average fill factor 0,750

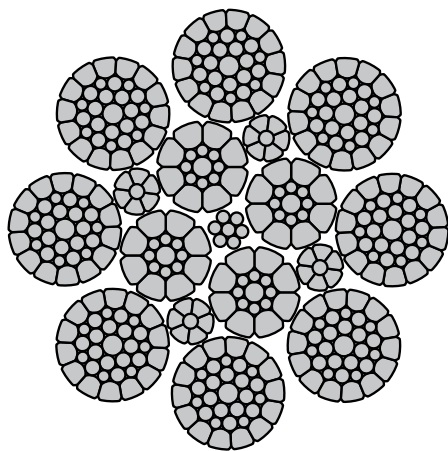
SWIVEL



RoBoStar 8C

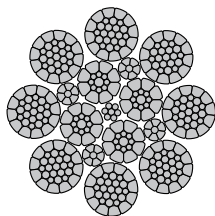
8xK36WS - PWRC(K)

Ø 14 - 48 mm



8xK31WS - PWRC(K)

Ø 14 - 48 mm



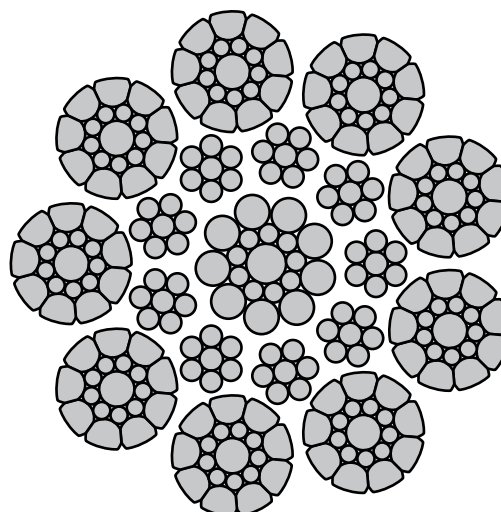
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	1,02	172	190	208
15	1,15	195	216	236
16	1,32	226	251	274
17	1,49	252	279	306
18	1,65	286	316	347
19	1,86	315	349	382
20	2,06	351	389	426
22	2,49	428	475	520
24	2,95	502	555	611
25	3,18	543	601	659
26	3,43	583	647	708
28	3,98	681	756	829
29	4,29	735	818	899
30	4,58	784	869	954
32	5,23	893	991	1085
34	5,94	1017	1129	1234
35	6,25	1066	1181	1292
36	6,64	1138	1263	1381
38	7,52	1290	1428	1561
40	8,12	1389	1540	1687
41	8,48	1467	1623	1782
42	9,06	1558	1726	1890
44	9,88	1698	1881	2061
45	10,26	1767	1955	2145
46	10,77	1853	2054	2251
48	11,72	2012	2225	2438

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoStar 9C

PARALLEL CLOSED ROPES

DESCRIPTION

- 9-strand rope in parallel lay construction made out of compacted outer strands
- Very flexible rope
- Heavy lubrication at each stranding procedure
- Very high abrasion resistance and long service life
- Recommended for multi-layer spooling

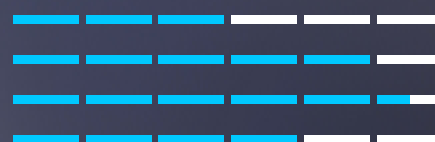
TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

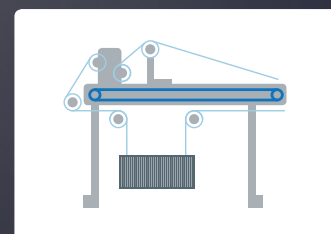
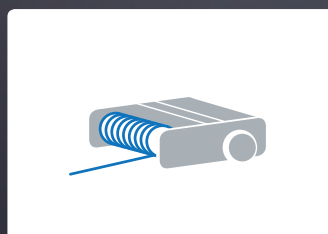
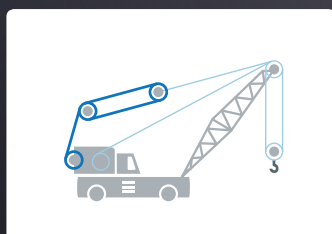
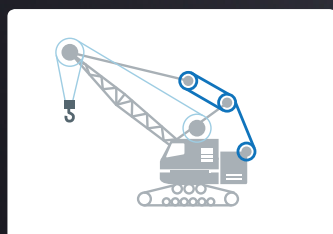
- Boom hoist rope for crawler cranes, mobile lattice boom cranes, electric winch
- Trolley rope for container cranes

Average fill factor 0,720

SWIVEL



Bright / Galvanized

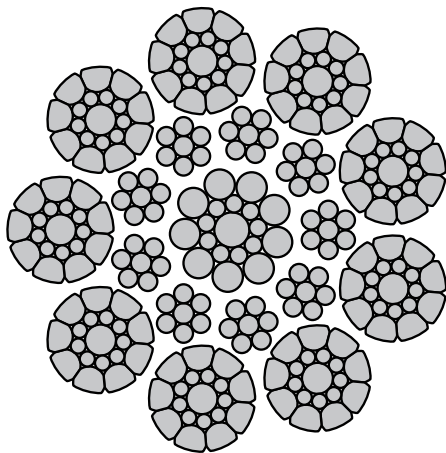

 EN 12385-4: Stranded ropes for general lifting applications
 EN 10264: Steel wire for ropes

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RoBoStar 9C

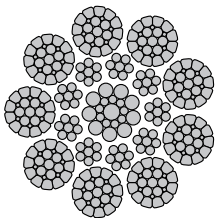
9xK19S-PWRC

Ø 11 - 36 mm



9xK25F - PWRC

Ø 18 - 40 mm



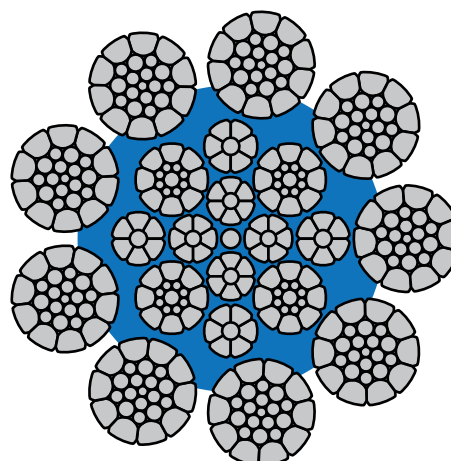
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
11	0,602	103	114	124
12	0,716	123	136	148
13	0,841	144	159	173
14	0,975	167	185	201
15	1,12	191	212	231
16	1,27	218	241	263
18	1,61	276	305	332
19	1,80	307	340	370
20	1,99	340	377	410
22	2,41	412	456	497
24	2,87	490	543	591
25	3,11	532	589	641
26	3,36	575	637	694
28	3,90	667	739	804
30	4,48	766	848	923
32	5,09	871	965	1051
33	5,42	926	1026	1117
34	5,75	983	1089	1186
35	6,09	1042	1154	1257
36	6,45	1103	1221	1330
38	7,18	1228	1360	1482
40	7,96	1361	1507	1642

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ŽDB DRÁTOVNA

 MEMBER OF THE GROUP
 TRINECKÉ ŽELEZÁRNY - MORAVIA STEEL


RoBoLift 9CP

9-STRAND ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys
- Very high resistance against crushing
- Very high breaking load
- Heavy lubrication at each stranding procedure
- Polymer coated core protects against corrosion and provides structural stability

Bright / Galvanized

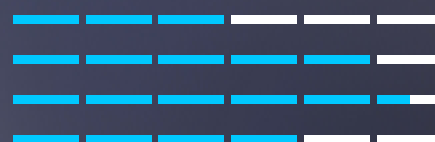
TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

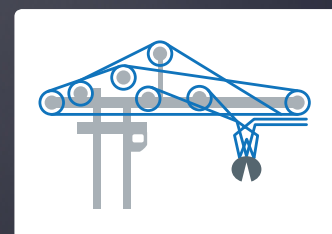
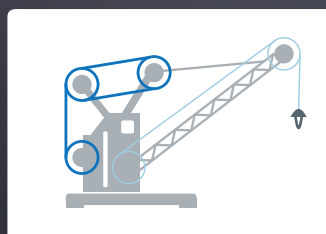
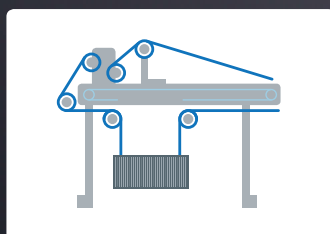
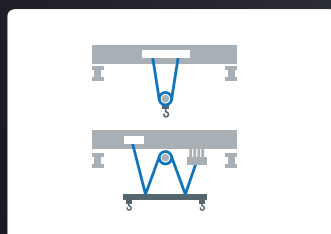
FLEXIBILITY



APPLICATION

- Main, boom, and trolley rope for overhead gantry cranes, ladle cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load is required

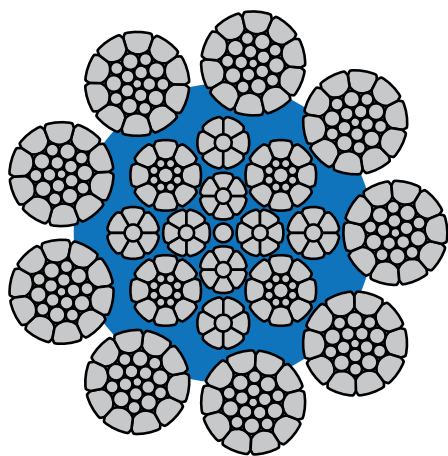
Average fill factor 0,690

SWIVEL


RoBoLift 9CP

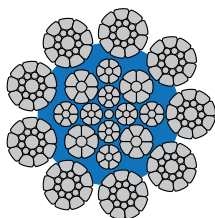
9xK26-EPIWRC(K)

Ø 16 - 48 mm



9xK19S - EPIWRC(K)

Ø 11 - 36 mm

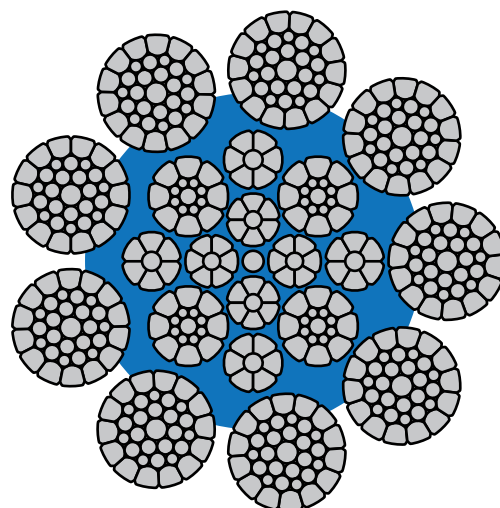


Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
11	0,584	99	109	119
12	0,696	117	130	142
13	0,816	138	153	166
14	0,947	160	177	193
15	1,09	183	203	221
16	1,24	209	231	252
18	1,57	264	293	319
20	1,93	326	361	393
22	2,34	395	437	476
24	2,78	470	520	566
25	3,02	510	564	615
26	3,27	551	610	665
28	3,79	639	708	771
30	4,35	734	813	885
32	4,95	835	924	1007
34	5,58	942	1044	1137
35	5,92	999	1106	1204
36	6,26	1057	1170	1274
38	6,98	1177	1304	1420
40	7,73	1304	1445	1573
42	8,52	1438	1593	1734
44	9,35	1578	1748	1904
46	10,22	1725	1910	2081
48	11,13	1878	2080	2265

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RoBoLift 9CP

9-STRAND ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys
- High resistance against crushing
- Very high breaking load
- Heavy lubrication at each stranding procedure
- Polymer coated core protects against corrosion and provides structural stability

Bright / Galvanized

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY

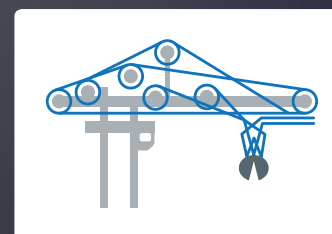
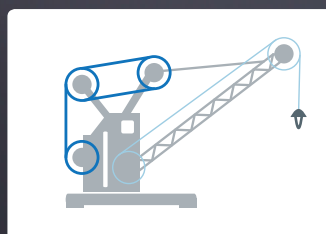
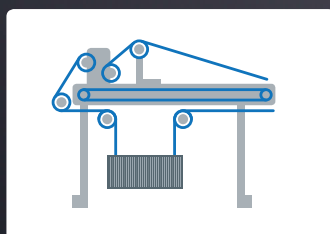
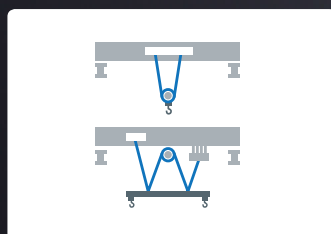


APPLICATION

- Main, boom, and trolley rope for overhead gantry cranes, ladle cranes, container cranes, dockside cranes, unloader cranes
- Suitable for working in difficult conditions where high breaking load is required

Average fill factor 0,698

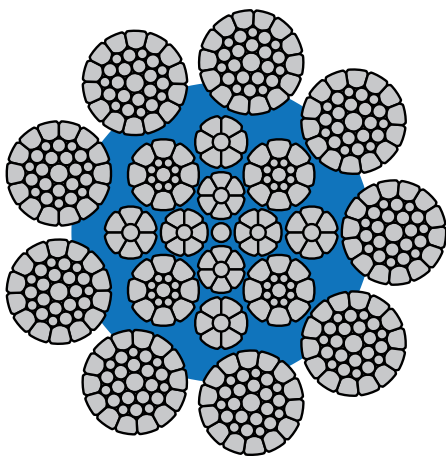
SWIVEL



RoBoLift 9CP

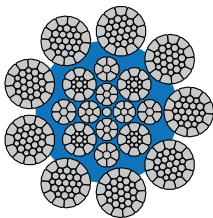
9xK36WS-EPIWRC(K)

Ø 18 - 48 mm



9xK31WS-EPIWRC(K)

Ø 18 - 48 mm

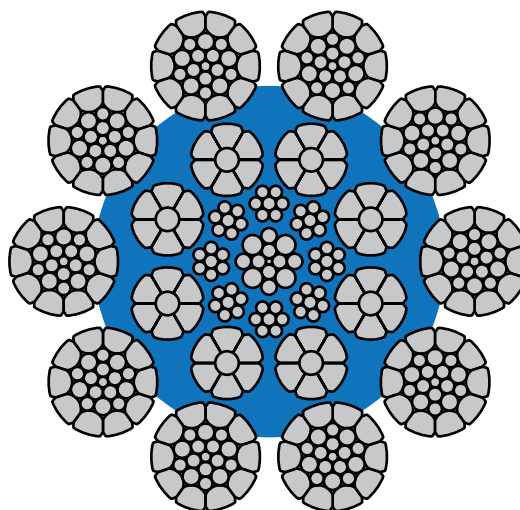


Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
18	1,58	266	294	320
19	1,76	296	328	357
20	1,95	328	363	395
22	2,36	397	439	479
23	2,58	434	480	523
24	2,81	472	523	570
25	3,05	512	567	618
26	3,29	554	614	668
28	3,82	643	712	775
29	4,10	690	764	832
30	4,39	738	817	890
32	4,99	840	930	1012
33	5,31	893	989	1077
34	5,63	948	1050	1143
35	5,97	1004	1112	1211
36	6,32	1063	1177	1281
38	7,04	1184	1311	1428
40	7,80	1312	1453	1582
41	8,19	1378	1526	1662
42	8,60	1446	1602	1744
44	9,44	1587	1758	1914
45	9,87	1660	1839	2002
46	10,31	1735	1921	2092
48	11,23	1889	2090	2278

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RoBoLift 10CP

10-STRAND ROPES

DESCRIPTION

- Compacted strands enlarge surface area and extend service life of the rope and reduces abrasion of pulleys
- Very high breaking load
- Good resistance against drum crushing
- Heavy lubrication at each stranding procedure
- Plastic layer between the steel core and the outer strands giving the rope a high structural stability

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING & ABRASION

LOAD CAPACITY

FLEXIBILITY



APPLICATION

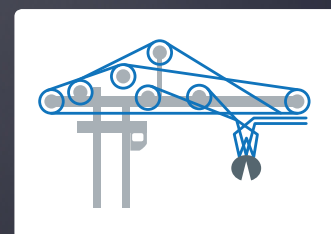
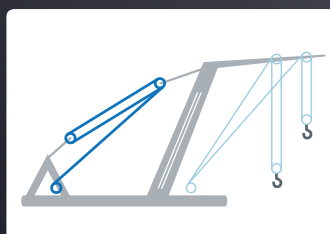
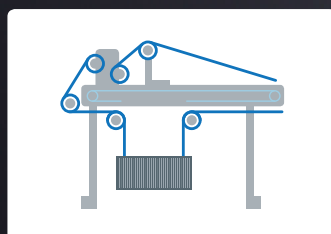
- Hoist rope for container cranes, floating cranes, portal cranes. Boom hoist rope for mobile cranes and unloader cranes

Average fill factor 0,694

SWIVEL



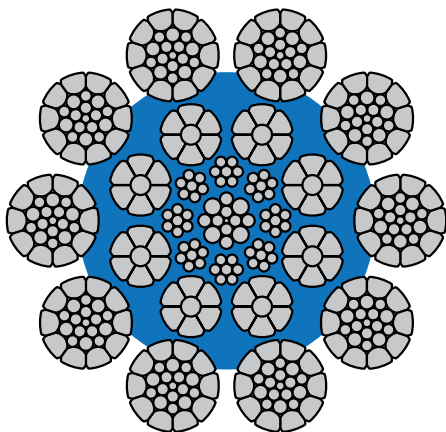
Bright / Galvanized



RoBoLift 10CP

10xK26WS - EPIWRC(K)

Ø 14 - 48 mm



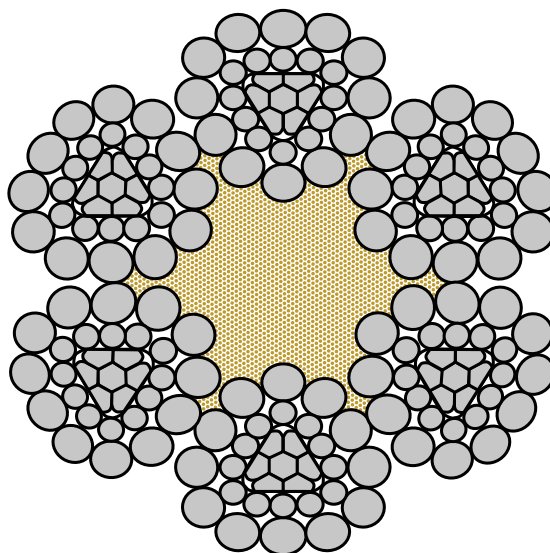
Nominal diameter Ø	Approximate mass	Minimum breaking force		
		Class 1770	Class 1960	Class 2160
(mm)	(kg/m)	(kN)	(kN)	(kN)
14	0,933	161	178	193
15	1,07	185	205	222
16	1,22	210	233	252
18	1,54	266	295	319
19	1,72	296	328	322
20	1,90	328	364	394
22	2,30	397	440	476
23	2,52	434	481	521
24	2,74	473	524	567
25	2,97	513	568	615
26	3,22	555	615	666
28	3,73	644	713	772
29	4,00	691	765	828
30	4,28	739	818	886
32	4,87	841	931	1018
33	5,18	894	990	1072
34	5,50	949	1051	1148
35	5,83	1006	1114	1216
36	6,17	1064	1179	1286
38	6,87	1186	1313	1422
40	7,61	1314	1455	1575
41	8,00	1380	1529	1655
42	8,39	1449	1604	1737
44	9,21	1590	1761	1906
45	9,64	1663	1841	1994
46	10,07	1738	1924	2083
48	10,96	1892	2095	2268

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RoBoLift 6MT

TRIANGULAR ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - zZ, sS
- Material of rope core - NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING AND ABRASION

STRETCH RESISTANCE

MULTI-LAYER SPOOLING



APPLICATION

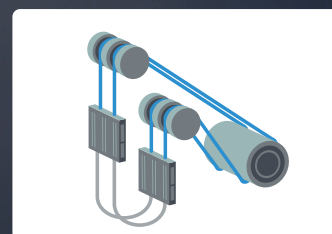
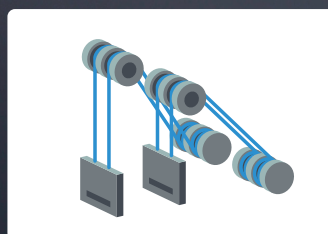
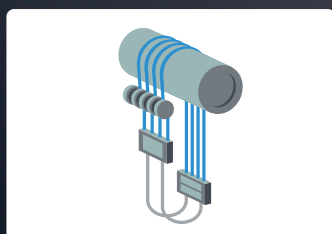
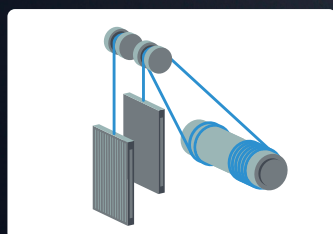
- Deep mining

Average fill factor

0,595

Diameter tolerance

+2/+5%



EN 12385-6: Stranded ropes for mine shafts

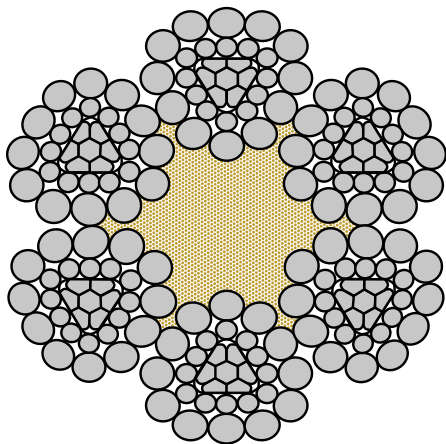
EN 10264-3: Round and shaped non alloyed steel wire for high duty applications

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RoBoLift 6MT

6xV25B-NFC

Ø 28 - 44 mm



Nominal diameter Ø	Approximate mass	Calculated breaking load N/mm ²			Minimum breaking force N/mm ²		
		Class 1570	Class 1770	Class 1960	Class 1570	Class 1770	Class 1960
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
28	3,27	565	637	705	484	535	602
30	3,81	659	743	822	565	635	698
32	4,25	735	828	915	632	710	785
34	4,85	838	944	1045	721	809	896
36	5,37	929	1047	1159	798	898	993
38	5,98	1036	1168	1292	889	996	1104
40	6,58	1139	1284	1420	980	1097	1207
42	7,35	1273	1435	1588	1092	1227	1352
44	8,09	1402	1580	1749	1205	1345	1492

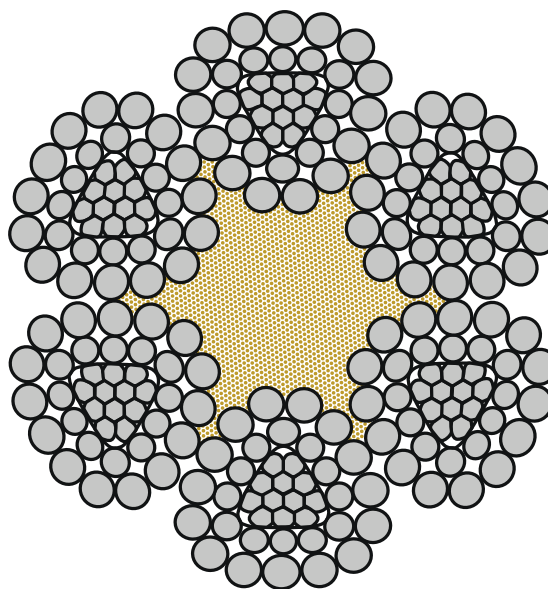
Values indicated in the table are reference only.
MBL of other diameters only for request.

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RoBoLift 6MT

TRIANGULAR ROPES

PRODUCT INFORMATION

- Wire surface - B, U
- Lay of the rope - zZ, sS
- Material of rope core - NFC
- Greasing - depends on type of machinery

TECHNICAL CHARACTERISTICS

ROTATION STABILITY

CRUSHING AND ABRASION

STRETCH RESISTANCE

MULTI-LAYER SPOOLING



APPLICATION

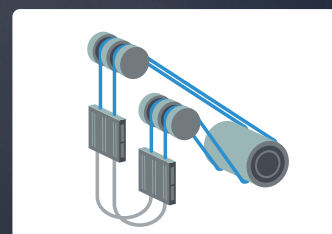
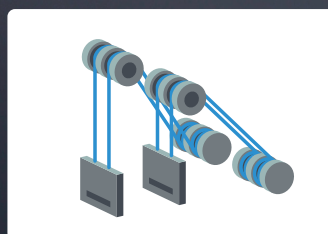
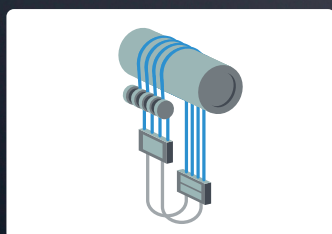
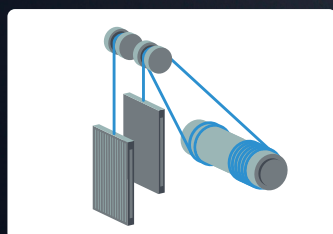
- Deep mining

Average fill factor

0,595

Diameter tolerance

+2/+5%



EN 12385-6: Stranded ropes for mine shafts

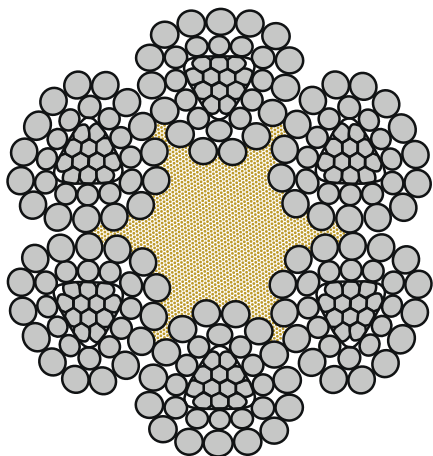
EN 10264-3: Round and shaped non alloyed steel wire for high duty applications

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RoBoLift 6MT

6xV28B-NFC

Ø 40 - 65 mm



Nominal diameter Ø	Approximate mass	Calculated breaking load N/mm ²			Minimum breaking force N/mm ²		
		Class 1570	Class 1770	Class 1860	Class 1570	Class 1770	Class 1860
(mm)	(kg/m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
40	6,57	1115	1238	1294	958	1065	1110
42	7,25	1232	1368	1429	1058	1172	1225
44	8,04	1358	1508	1576	1167	1295	1355
46	8,78	1493	1658	1732	1282	1426	1490
48	9,55	1625	1805	1886	1398	1550	1622
50	10,40	1763	1958	2046	1516	1682	1760
52	11,12	1886	2094	2188	1622	1800	1880
54	12,00	2042	2268	2369	1755	1948	2035
56	12,98	2206	2450	2560	1897	2105	2200
58	14,00	2380	2642	2760	2045	2272	2374
60	14,98	2546	2828	2954	2190	2432	2541
62	15,98	2715	3016	3151	2335	2590	2710
64	16,90	2878	3196	3340	2475	2747	2869
65	17,65	2999	3331	3480	2579	2864	2993

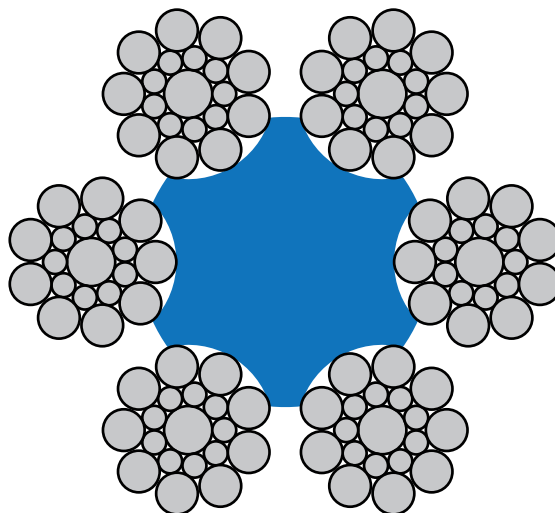
Values indicated in the table are reference only.
MBL of other diameters only for request.

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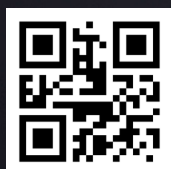
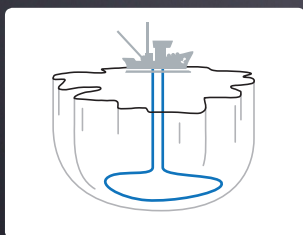
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6

6 × 19 S FC

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- polypropylene core for flexibility
- long service life
- lubricants suitable for fishing purposes



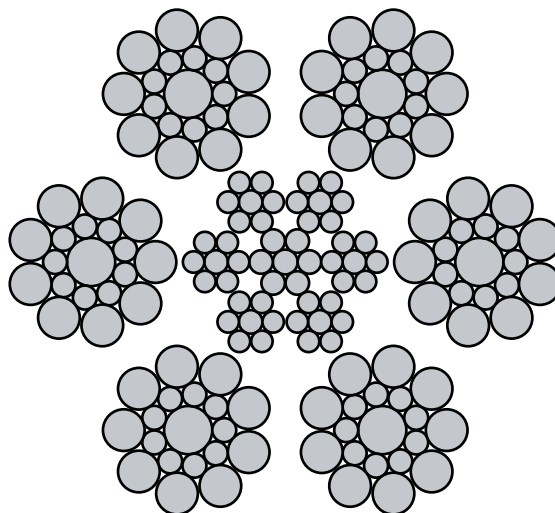
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Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,516	74,6	84,1	77,7
13	0,584	87,6	98,7	91,5
14	0,710	102	114	106
15	0,797	117	131	122
16	0,904	133	150	139
18	1,15	168	189	175
20	1,43	207	234	216
22	1,73	251	283	262
24	2,04	298	336	312
26	2,38	350	395	365
28	2,77	406	458	424
30	3,16	466	526	486
32	3,55	531	598	554
34	4,09	599	675	625
36	4,59	671	757	703
38	5,08	748	843	781
40	5,60	829	935	866

Standard: EN 12385-4

version 09/2014

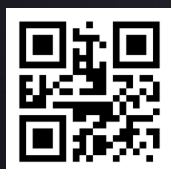
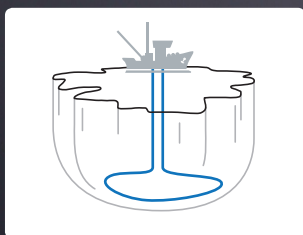


RoBoFish 6

6 × 19 S+ IWRC

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- steel core for increased strength
- long service life
- lubricants suitable for fishing purposes



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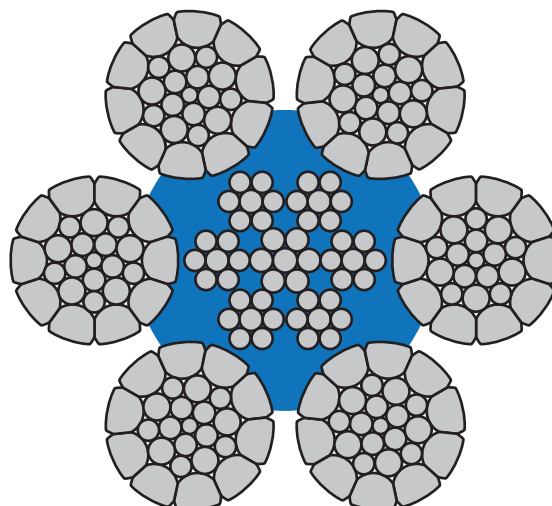
www.zdb.cz

Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,582	80,9	91,2	85,1
13	0,663	95,0	107	100
14	0,800	110	124	116
15	0,910	126	143	133
16	1,01	144	162	151
18	1,30	182	205	191
20	1,63	225	253	236
22	1,96	272	307	286
24	2,32	324	365	340
26	2,70	380	428	400
28	3,15	441	497	464
30	3,56	506	570	532
32	4,01	576	649	605
34	4,63	650	733	683
36	5,19	728	821	765
38	5,77	812	915	853
40	6,38	899	1014	945

Standard: EN 12385-4

version 09/2014


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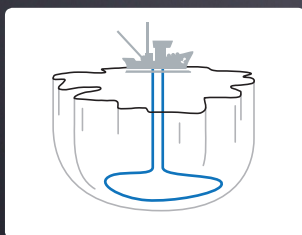
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6 CP

6xK26WS - EPIWRC

DESCRIPTION

- very strong abrasion resistance
- high fatigue resistance
- excellent crush resistance
- steel core for increased strength
- long service life
- lubricants suitable for fishing purposes
- higher fatigue life
- higher structural stability



Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,658	99,0	112	105
14	0,884	133	150	140
16	1,15	170	192	180
18	1,45	219	247	231
20	1,83	267	301	283
22	2,18	328	370	346
24	2,58	393	443	415
26	3,05	459	518	485
28	3,53	531	599	561
30	4,02	605	682	639
32	4,60	692	780	731
34	5,28	796	898	841
36	5,89	886	999	936
38	6,56	986	1112	1042
40	7,23	1087	1226	1149



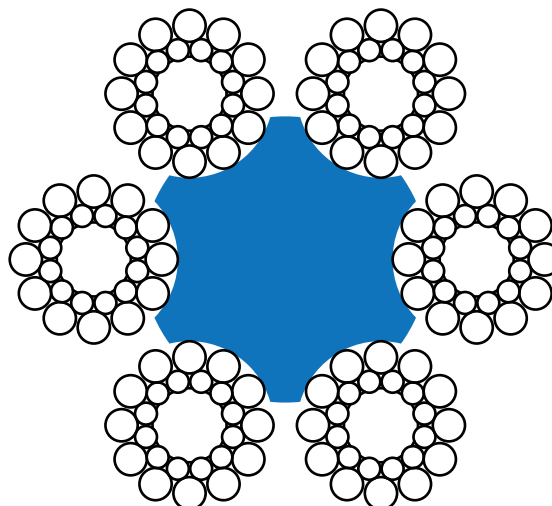
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Standard: EN 12385-4

version 09/2014


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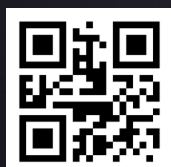
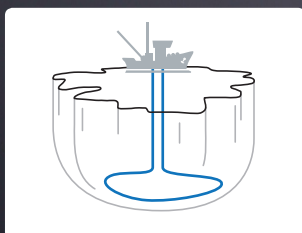
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6

6x24 FC - FC

DESCRIPTION

- strands with polypropylene cores for increased flexibility
- crush resistance
- long service life
- lubricants suitable for fishing purposes



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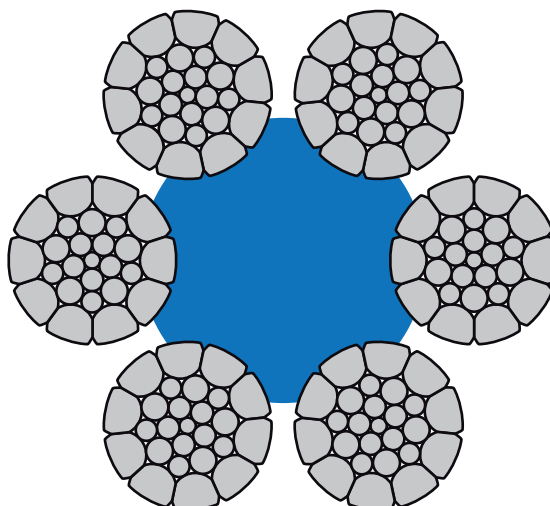
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Nominal diameter	Approximate mass	Minimum breaking force	
[mm]	[kg/m]	1570 Mpa [kN]	1770 Mpa [kN]
12	0,438	63,3	71,4
13	0,518	74,3	83,8
14	0,596	86,2	97,2
16	0,778	113	127
18	0,985	143	161
20	1,21	176	198
22	1,47	213	240
24	1,75	253	285
26	2,06	297	335
28	2,38	345	389
30	2,70	395	446
32	3,06	450	507
36	3,89	570	643
40	4,79	703	793
44	5,76	851	960
48	6,86	1014	1143

Standard: EN 12385-4

version 09/2014


ŽDB DRÁTOVNA

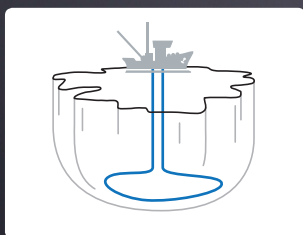
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6 C

6xK26WS - FC

DESCRIPTION

- very strong abrasion resistance
- high fatigue resistance
- excellent crush resistance
- polypropylene core for flexibility
- long service life
- lubricants suitable for fishing purposes



Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,592	89,5	101	93,6
14	0,794	120	136	126
16	1,02	155	174	162
18	1,31	198	224	208
20	1,60	242	272	253
22	1,93	297	335	310
24	2,34	356	402	372
26	2,71	417	470	436
28	3,16	479	540	500
30	3,57	547	617	572
32	4,14	627	707	657
34	4,73	722	814	754
36	5,25	801	904	838
38	5,82	895	1009	936
40	6,39	984	1110	1029



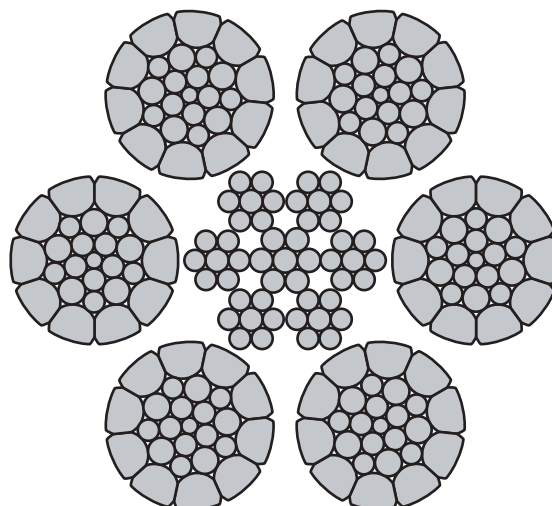
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Standard: EN 12385-4

version 09/2014


ŽDB DRÁTOVNA

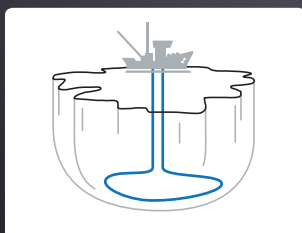
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6 C

6xK26WS - IWRC

DESCRIPTION

- very strong abrasion resistance
- high fatigue resistance
- excellent crush resistance
- steel core for increased strength
- long service life
- lubricants suitable for fishing purposes



Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,658	96,0	108	101
14	0,884	129	145	136
16	1,15	165	186	175
18	1,45	212	239	224
20	1,83	259	292	274
22	2,18	318	358	336
24	2,61	381	430	403
26	3,05	445	502	470
28	3,53	515	581	544
30	4,02	587	662	620
32	4,60	671	756	709
34	5,28	772	870	815
36	5,89	859	969	908
38	6,56	956	1078	1010
40	7,23	1054	1189	1114



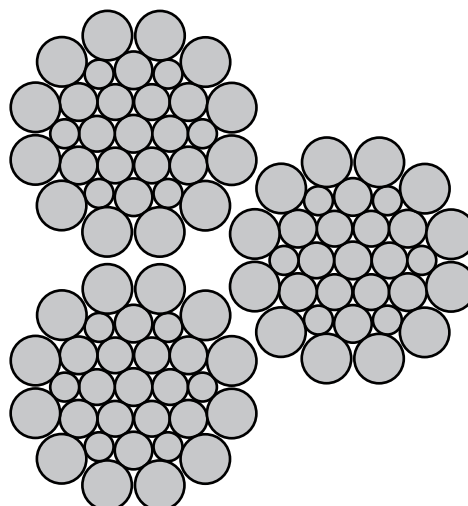
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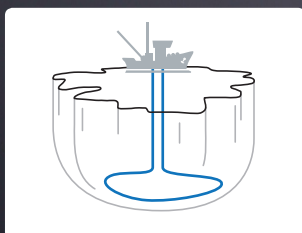
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 3

3x31 WS

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- long service life
- lubricants suitable for fishing purposes



Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,513	72,5	81,7	76,4
14	0,662	96,1	108	101
16	0,89	132	149	139
18	1,11	169	191	179
20	1,41	217	244	228
22	1,68	256	288	270
24	1,99	311	350	328
26	2,31	361	407	382
28	2,69	418	472	442
30	3,08	481	543	508
32	3,42	538	607	569
34	3,98	617	695	653
36	4,42	684	771	724



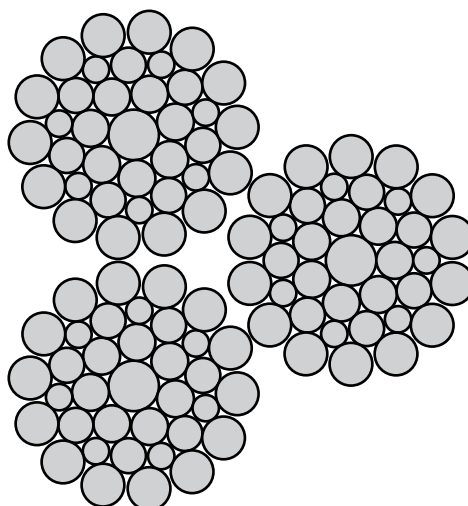
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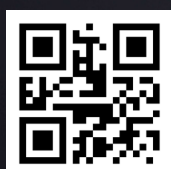
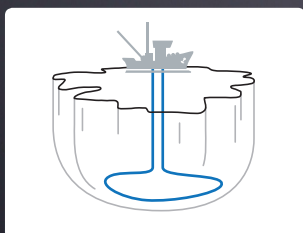
RoBoFish 3

3x36 WS

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- long service life
- lubricants suitable for fishing purposes

Nominal diameter	Approximate mass	Minimum breaking force		
[mm]	[kg/m]	1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
30	3,14	481	543	508
32	3,58	538	607	569
34	4,07	617	695	653
36	4,49	684	771	724
38	5,06	770	869	815
40	5,61	850	958	899



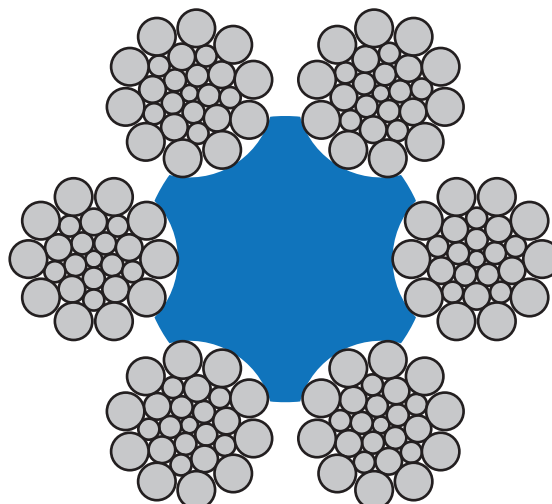
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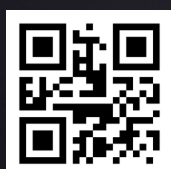
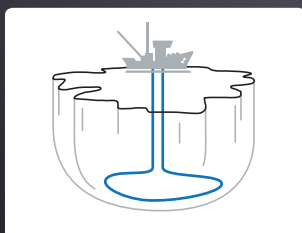
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6

6x26WS - FC

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- polypropylene core for flexibility
- long service life
- lubricants suitable for fishing purposes



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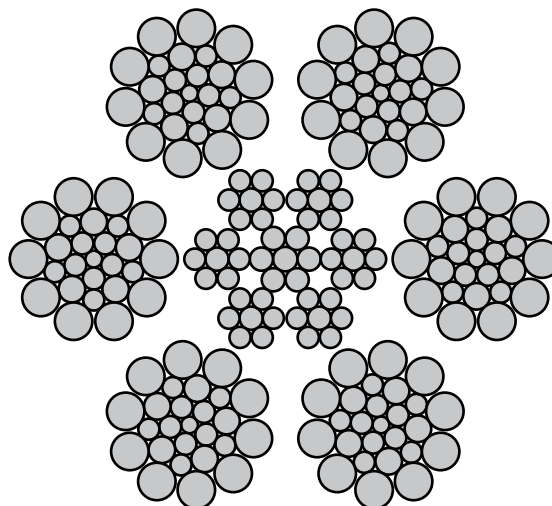
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Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,510	75,9	85,6	79,5
14	0,730	109	123	114
16	0,93	139	156	145
18	1,16	173	195	180
20	1,42	212	239	222
22	1,71	256	289	268
24	2,07	308	347	322
26	2,44	364	411	381
28	2,81	419	473	439
30	3,25	483	545	506
32	3,61	537	606	563
34	4,09	610	687	639
36	4,58	681	768	713
38	5,12	762	859	798
40	5,64	841	948	882
42	6,18	924	1041	968
44	6,81	1017	1146	1066

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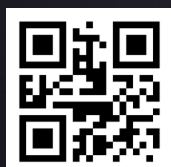
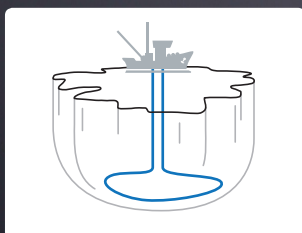
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6

6x26WS - IWRC

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- steel core for increased strength
- long service life
- lubricants suitable for fishing purposes



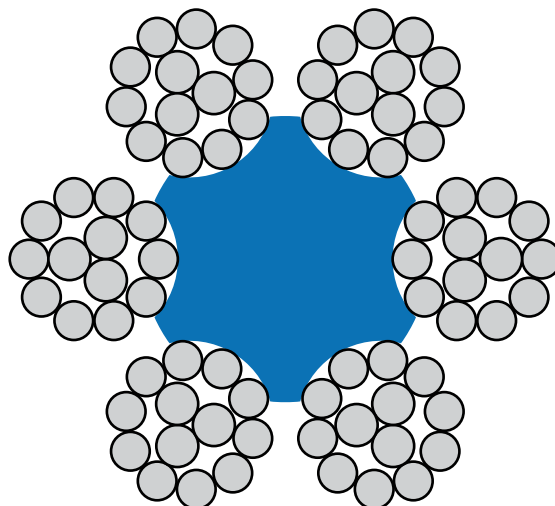
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Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,574	82,5	93,0	87,3
14	0,824	118	134	125
16	1,05	151	171	160
18	1,30	189	213	200
20	1,60	230	259	244
22	1,94	279	314	295
24	2,31	337	379	356
26	2,73	396	447	419
28	3,14	457	516	484
30	3,64	527	594	558
32	4,08	587	662	622
34	4,62	666	751	706
36	5,18	742	836	785
38	5,78	832	938	881
40	6,40	916	1032	971
42	7,06	1003	1131	1063
44	7,73	1107	1248	1173

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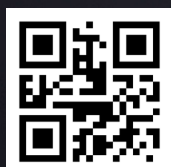
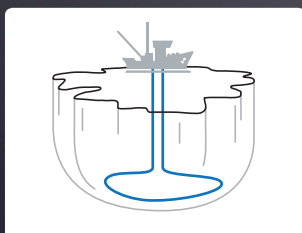
RoBoFish 6

6x10 - FC

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- lubricants suitable for fishing purposes
- stable lubricant inner penetration
- bright surface

Nominal diameter	Approximate mass	Minimum breaking force	
		1570 Mpa [kN]	1770 Mpa [kN]
[mm]	[kg/m]		
22	1,43	229	258
24	1,71	274	309
26	2,02	323	364
28	2,36	374	422
30	2,83	429	484
32	3,06	490	552



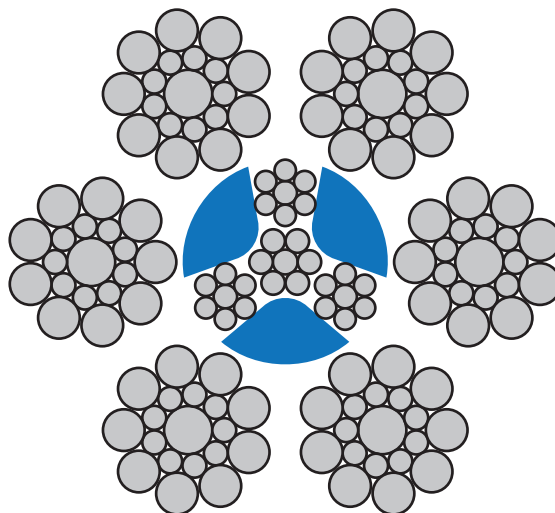
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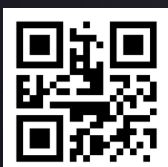
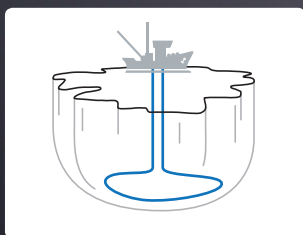
RoBoFish 6 MC

6x19S - Mixed core

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- mixed core for higher flexibility
- long service life
- lubricants suitable for fishing purposes
- stable lubricant inner penetration

Nominal diameter	Approximate mass	Minimum breaking force		
[mm]	[kg/m]	1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
12	0,547	80,1	90,4	83,5
14	0,756	114	129	119
16	0,98	149	168	155
18	1,23	186	210	194
20	1,53	230	259	240
22	1,85	278	314	290
24	2,19	336	379	351
26	2,55	391	441	408



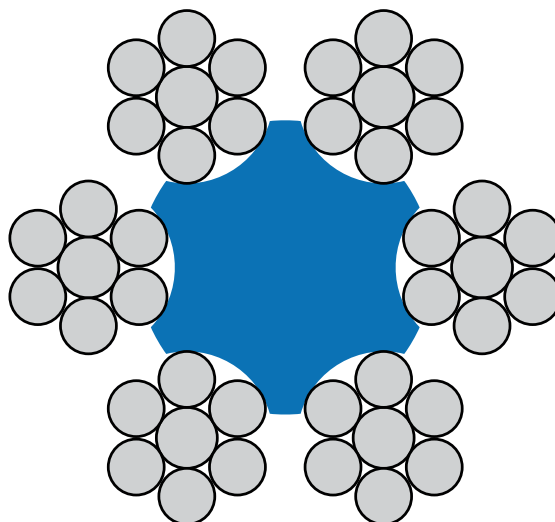
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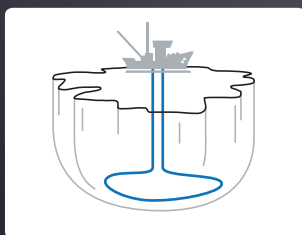
 MEMBER OF THE GROUP
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RoBoFish 6

6x7-FC

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- polypropylene core for flexibility
- long service life
- lubricants suitable for fishing purposes



Nominal diameter	Approximate mass	Minimum breaking force	
		1570 Mpa [kN]	1770 Mpa [kN]
[mm]	[kg/m]		
8	0,221	33,4	37,6
9	0,272	42,2	47,6
10	0,339	52,1	58,8
11	0,420	63,1	71,1
12	0,507	75,1	84,6
14	0,679	102	115
16	0,877	133	150
18	1,10	169	190
20	1,36	208	235
22	1,61	252	284
24	1,96	300	338
26	2,28	352	397
28	2,61	409	461

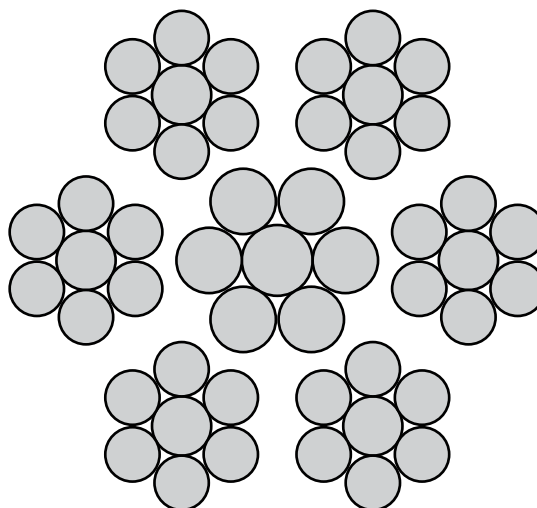


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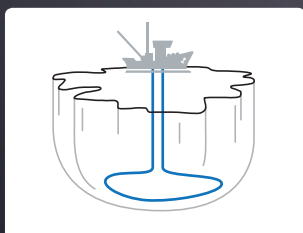


RoBoFish 6

6x7-WSC

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- steel core for increased strength
- long service life
- lubricants suitable for fishing purposes

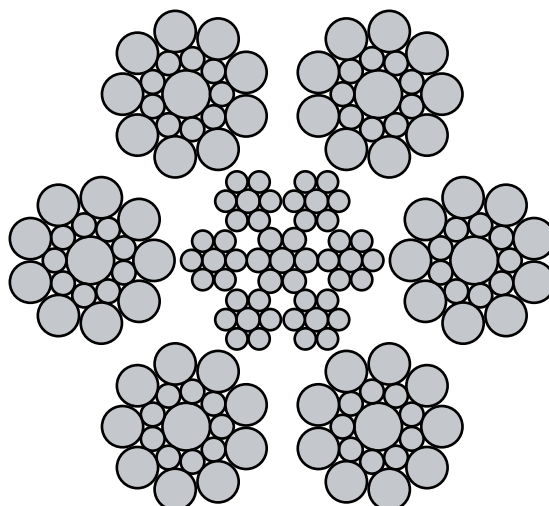


Nominal diameter	Approximate mass	Minimum breaking force	
		1570 Mpa [kN]	1770 Mpa [kN]
[mm]	[kg/m]		
8	0,255	36,1	40,7
9	0,316	45,7	51,5
10	0,389	56,4	63,5
11	0,487	68,2	76,9
12	0,583	81,2	91,5
14	0,790	110	125
16	1,02	144	163
18	1,27	183	206
20	1,58	225	254
22	1,88	273	308
24	2,27	325	366
26	2,66	381	430
28	3,04	442	498



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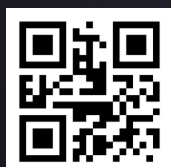
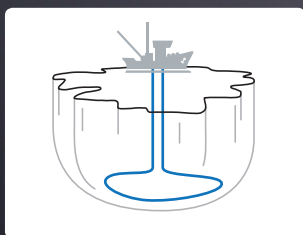
RoBoFish 6 C HD

6x19S - IWRC Heavy Duty

DESCRIPTION

- strong abrasion resistance
- high fatigue resistance
- crush resistance
- steel core for increased strength
- long service life
- lubricants suitable for fishing purposes
- higher minimum breaking load

Nominal diameter	Approximate mass	Minimum breaking force		
[mm]	[kg/m]	1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
30	3,71	538	607	568
32	4,20	615	693	648
34	4,73	695	784	732
36	5,26	779	878	820
38	5,88	867	977	913
40	6,50	958	1080	1010
42	7,19	1060	1195	1118
44	7,76	1132	1277	1193



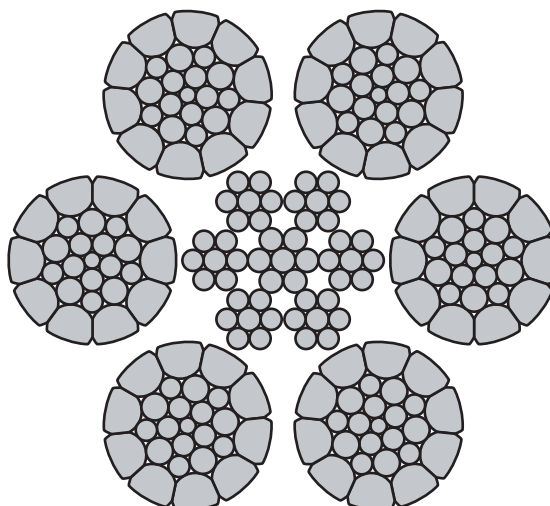
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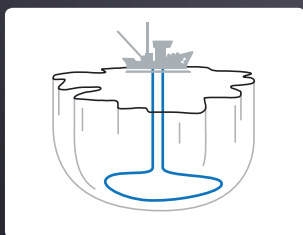
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6 C HD

6xK26WS - IWRC Heavy Duty

DESCRIPTION

- very strong abrasion resistance
- high fatigue resistance
- excellent crush resistance
- steel core for increased strength
- long service life
- lubricants suitable for fishing purposes
- higher minimum breaking load



Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
24	2,69	405	456	427
26	3,18	483	545	510
28	3,62	545	614	575
30	4,15	625	704	660
32	4,77	727	819	768
34	5,43	826	932	872
36	6,08	925	1043	977
38	6,68	1004	1132	1060
40	7,36	1093	1232	1154
42	8,14	1239	1397	1308
44	8,72	1307	1473	1380



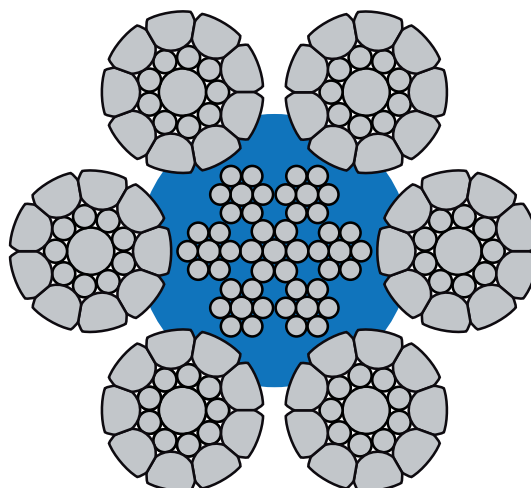
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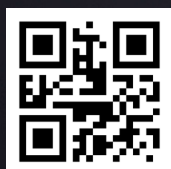
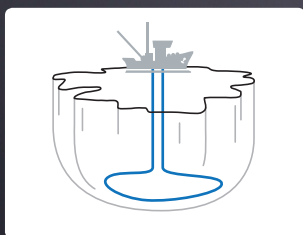
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6 C

6 × K19 S - FC

DESCRIPTION

- very strong abrasion resistance
- high fatigue resistance
- excellent crush resistance
- polypropylene core for flexibility
- long service life
- lubricants suitable for fishing purposes



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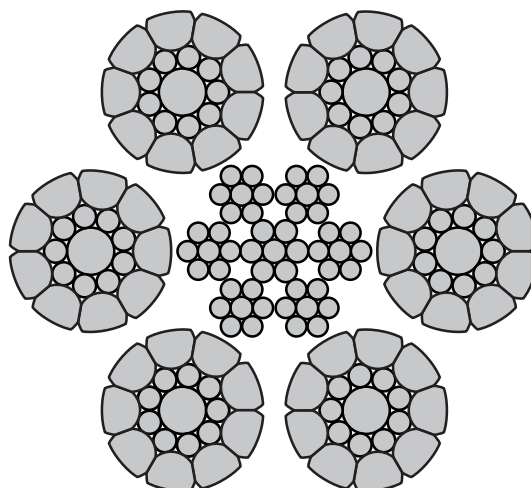
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Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,564	84,9	95,8	88,5
13	0,644	97,0	109	101
14	0,776	117	132	122
15	0,870	131	147	136
16	1,03	154	174	161
18	1,27	192	216	200
20	1,60	241	272	251
22	1,91	289	326	301
24	2,28	344	388	359
26	2,68	406	458	423
28	3,09	467	526	486
30	3,61	546	616	568
32	4,09	616	695	641
34	4,58	690	778	719
36	5,09	769	867	801
38	5,63	851	960	887
40	6,09	933	1051	973

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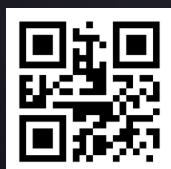
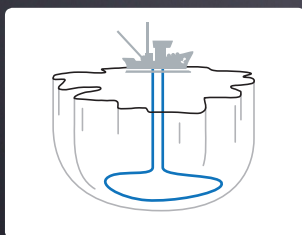
 MEMBER OF THE GROUP
TRINECKÉ ŽELEZÁRNY


RoBoFish 6 C

6 × K19 S - IWRC

DESCRIPTION

- very strong abrasion resistance
- high fatigue resistance
- excellent crush resistance
- steel core for increased strength
- long service life
- lubricants suitable for fishing purposes



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Nominal diameter	Approximate mass	Minimum breaking force		
		1570 Mpa [kN]	1770 Mpa [kN]	1770/1570 MPa [kN]
[mm]	[kg/m]			
12	0,632	91,5	103	96,0
13	0,722	105	118	110
14	0,870	126	142	133
15	0,972	140	158	148
16	1,15	166	187	175
18	1,43	207	233	218
20	1,79	259	292	272
22	2,14	310	350	327
24	2,55	370	417	390
26	3,01	436	491	459
28	3,48	504	568	509
30	4,06	587	662	618
32	4,57	662	747	697
34	5,13	743	838	782
36	5,72	828	934	873
38	6,32	915	1031	964
40	6,88	1009	1137	1259

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