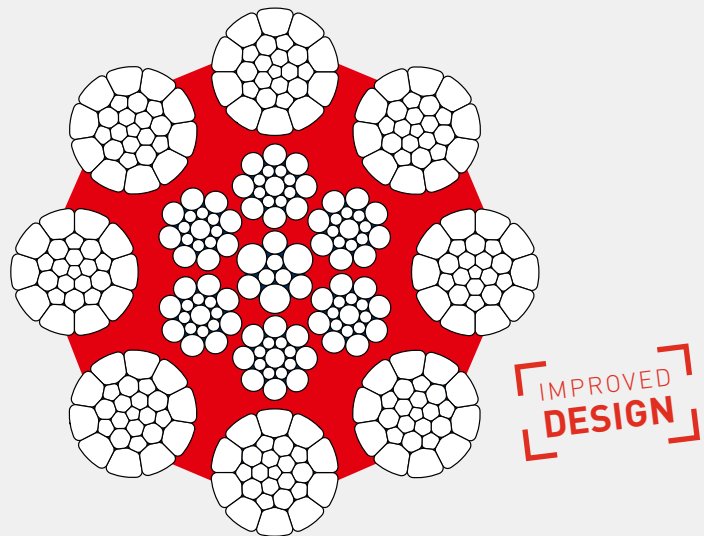


# CASAR **TURBOPLAST**



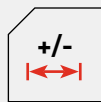
## PROPERTIES // EIGENSCHAFTEN



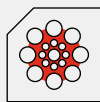
No swivel //  
Kein Wirbel



Lubricated //  
Gefettet



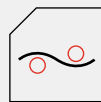
Tolerance //  
Toleranz



Plast rope //  
Kunststoff



Compacted //  
Verdichtet



preformed //  
vorgeformt

## APPLICATIONS // ANWENDUNGEN

High breaking load and good resistance against crushing. Hoisting rope in multiple part reeving for smaller lifting heights as well as for twin hoist systems with left and right hand lay ropes for greater lifting heights.

Hohe Bruchkraft und gute Querdruckstabilität. Ein Seil für eine große Anzahl verschiedener Anwendungen, kommt sowohl im mehrsträngigen Betrieb für kleinere Hubhöhen als auch bei rechts- und linksgängiger Seil-anordnung für größere Hubhöhen als Hubseil zum Einsatz.

## OVERVIEW // ÜBERBLICK TECHNISCHE DATEN

Diameter Range // Durchmesserbereich [mm]	8	9-24	25-48	50-72
RCN	09	09	09	11
Number of Outer Strands // Anzahl der Außenlitzen	8	8	8	8
Number of Wires // Gesamtdrahtzahl	259	319	327	367
Number of Outer Load Bearing Wires // Anzahl der tragenden Drähte in den Außenlitzen	208	208	208	248
Average Fill Factor // Mittlerer Füllfaktor	0,664			
Average Nominal Metallic Area Factor C // Mittlerer metallischer Querschnittsfaktor C	0,522			
Average Spin Factor // Mittlerer Verseilfaktor	*N/mm <sup>2</sup> 0,87 (1770)* / 0,86 (1960)* / 0,86 (2160)*			

- Temperature range of use: -50°C to +115°C
- Suitable for multi-layer spooling in Lang's lay
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanized and ungalvanized

- Einsatztemperaturbereich: -50°C bis +115°C
- In Gleichschlag geeignet für Mehrlagenspülung
- In Kreuzschlag und Gleichschlag erhältlich
- In rechtsgängig und linksgängig erhältlich
- In verzinkter und blanker Ausführung erhältlich

Nominal Diameter // Nenn-durchmesser				Minimum Breaking Force // Mindestbruchkraft											
				Weight // Gewicht				1770 N/mm <sup>2</sup>				1960 N/mm <sup>2</sup>			
mm	inch	kg/m	lb/ft	kN	t [metric]	lbs	t [2000 lbs]	kN	t [metric]	lbs	t [2000 lbs]	kN	t [metric]	lbs	t [2000 lbs]
8	5/16	0,30	0,20	52,3	5,33	11.758	5,88	58,0	5,91	13.039	6,52	63,5	6,48	14.275	7,14
9		0,38	0,25	67,6	6,89	15.197	7,60	74,0	7,55	16.636	8,32	81,4	8,30	18.299	9,15
10		0,47	0,32	82,2	8,38	18.479	9,24	90,0	9,18	20.233	10,12	101,0	10,30	22.706	11,35
11	7/16	0,57	0,38	99,5	10,15	22.368	11,18	109,7	11,19	24.662	12,33	122,6	12,50	27.562	13,78
12		0,67	0,45	117,0	11,93	26.303	13,15	130,0	13,26	29.225	14,61	144,0	14,68	32.372	16,19
	1/2	0,75	0,51	131,0	13,36	29.450	14,72	146,0	14,89	32.822	16,41	161,8	16,50	36.374	18,19
13		0,76	0,51	135,0	13,77	30.349	15,17	147,0	14,99	33.047	16,52	161,7	16,49	36.352	18,18
14		0,91	0,61	161,0	16,42	36.194	18,10	177,0	18,05	39.791	19,90	196,0	19,99	44.063	22,03
15		1,06	0,71	187,0	19,07	42.039	21,02	205,0	20,90	46.086	23,04	226,0	23,05	50.807	25,40
16	5/8	1,21	0,81	212,0	21,62	47.659	23,83	232,0	23,66	52.156	26,08	252,0	25,70	56.652	28,33
17		1,34	0,90	236,0	24,07	53.055	26,53	259,0	26,41	58.226	29,11	283,0	28,86	63.621	31,81
18		1,51	1,02	266,0	27,12	59.799	29,90	292,0	29,78	65.644	32,82	314,0	32,02	70.590	35,29
19	3/4	1,67	1,12	299,0	30,49	67.218	33,61	327,0	33,35	73.513	36,76	351,0	35,79	78.908	39,45
20		1,87	1,26	329,0	33,55	73.962	36,98	361,0	36,81	81.156	40,58	391,0	39,87	87.900	43,95
21		2,04	1,37	359,0	36,61	80.706	40,35	394,0	40,18	88.575	44,29	421,0	42,93	94.645	47,32
22		2,23	1,50	401,0	40,89	90.148	45,07	439,0	44,77	98.691	49,35	468,0	47,72	105.211	52,61
	7/8	2,25	1,51	410,0	41,81	92.172	46,09	449,0	45,79	100.939	50,47	478,0	48,74	107.459	53,73
23		2,44	1,64	436,0	44,46	98.017	49,01	478,0	48,74	107.459	53,73	511,0	52,11	114.877	57,44
24		2,66	1,78	464,5	47,37	104.424	52,21	514,3	52,44	115.619	57,81	556,0	56,70	124.994	62,50
25		2,84	1,91	516,0	52,62	116.001	58,00	566,0	57,72	127.242	63,62	602,0	61,39	135.335	67,67
	1	2,92	1,96	533,4	54,39	119.913	59,96	584,6	59,61	131.423	65,71	621,6	63,39	139.741	69,87
26		3,13	2,11	562,0	57,31	126.343	63,17	616,0	62,82	138.482	69,24	655,0	66,79	147.250	73,62
27		3,38	2,27	599,0	61,08	134.661	67,33	657,0	67,00	147.699	73,85	702,0	71,58	157.816	78,91
28		3,60	2,42	645,0	65,77	145.002	72,50	707,0	72,09	158.940	79,47	748,0	76,28	168.157	84,08
	1 1/8	3,79	2,55	671,9	68,52	151.049	75,52	736,5	75,10	165.572	82,79	779,2	79,46	175.171	87,59
29		3,87	2,60	695,0	70,87	156.242	78,12	760,0	77,50	170.855	85,43	807,0	82,29	181.421	90,71
30		4,15	2,79	745,0	75,97	167.483	83,74	813,0	82,90	182.770	91,38	871,0	88,82	195.809	97,90
31		4,44	2,98	796,0	81,17	178.948	89,47	869,0	88,61	195.359	97,68	930,0	94,83	209.072	104,54
32	1 1/4	4,75	3,19	848,0	86,47	190.638	95,32	938,0	95,65	210.871	105,44	988,0	100,75	222.111	111,06
33		5,06	3,40	897,0	91,47	201.654	100,83	979,0	99,83	220.088	110,04	1.059,0	107,99	238.073	119,04
34		5,36	3,60	959,0	97,79	215.592	107,80	1.055,0	107,58	237.173	118,59	1.114,0	113,60	250.437	125,22
35	1 3/8	5,66	3,81	1.012,3	103,23	227.574	113,79	1.113,9	113,59	250.415	125,21	1.175,7	119,89	264.308	132,15
36		5,95	4,00	1.066,0	108,70	239.646	119,82	1.164,0	118,70	261.678	130,84	1.242,0	126,65	279.213	139,61
38	1 1/2	6,68	4,49	1.192,0	121,55	267.972	133,99	1.301,0	132,67	292.476	146,24	1.395,0	142,25	313.608	156,80
40		7,40	4,97	1.317,0	134,30	296.073	148,04	1.438,0	146,64	323.275	161,64	1.552,0	158,26	348.903	174,45
	1 5/8	7,88	5,29	1.402,3	143,00	315.249	157,62	1.531,1	156,13	344.212	172,11	1.652,5	168,51	371.500	185,75
42		8,11	5,45	1.457,0	148,57	327.547	163,77	1.591,0	162,24	357.671	178,84	1.694,0	172,74	380.826	190,41
44		8,96	6,02	1.593,0	162,44	358.121	179,06	1.739,0	177,33	390.943	195,47	1.873,0	190,99	421.067	210,53
	1 3/4	9,08	6,10	1.626,5	165,86	365.652	182,83	1.775,5	181,05	399.148	199,57	1.911,0	194,87	429.610	214,80
46		9,78	6,57	1.755,0	178,96	394.540	197,27	1.916,0	195,38	430.734	215,37	2.042,0	208,23	459.060	229,53
48	1 7/8	10,65	7,16	1.905,0	194,26	428.261	214,13	2.079,0	212,00	467.378	233,69	2.225,0	226,89	500.200	250,10
50		11,57	7,77	2.036,0	207,62	457.711	228,86	2.265,0	230,97	509.192	254,60	2.423,0	247,08	544.712	272,36
	2	11,94	8,03	2.102,2	214,37	472.593	236,30	2.338,3	238,44	525.671	262,84	2.501,2	255,05	562.292	281,15
52		12,50	8,40	2.201,0	224,44	494.804	247,40	2.448,0	249,63	550.332	275,17	2.620,0	267,17	588.999	294,50
54	2 1/8	13,39	9,00	2.375,0	242,19	533.921	266,96	2.641,0	269,31	593.720	296,86	2.826,0	288,17	635.310	317,65
56		14,45	9,71	2.543,0	259,32	571.689	285,84	2.828,0	288,38	635.760	317,88	3.027,0	308,67	680.497	340,25
	2 1/4	15,01	10,09	2.649,2	270,15	595.564	297,78	2.945,4	300,35	662.152	331,08	3.153,2	321,54	708.867	354,43
58		15,43	10,37	2.716,0	276,96	610.581	305,29	3.022,0	308,16	679.372	339,69	3.234,0	329,78	727.032	363,52
60		16,55	11,12	2.914,0	297,15	655.093	327,55	3.242,0	330,60	728.830	364,42	3.469,0	353,74	779.862	389,93
	2 3/8	16,73	11,24	2.945,7	300,38	662.209	331,10	3.277,2	334,19	736.748	368,37	3.506,7	357,59	788.333	394,17
62		17,54	11,79	3.113,0	317,44	699.830	349,92	3.364,0	343,04	756.257	378,13	3.708,0	378,11	833.591	416,80
64	2 1/2	18,92	12,71	3.329,0	339,47	748.389	374,19	3.597,0	366,80	808.638	404,32	3.965,0	404,32	891.367	445,68
66		20,16	13,54	3.547,0	361,70	797.397	398,70	3.833,0	390,86	861.693	430,85	4.225,0	430,83	949.818	474,91
	2 5/8	20,57	13,82	3.619,9	369,13	813.791	406,90	3.911,8	398,90	879.408	439,70	4.311,9	439,69	969.345	484,67
68		21,35	14,35	3.752,0	382,60	843.483	421,74	4.055,0	413,50	911.600	455,80	-	-	-	-
70	2 3/4	22,51	15,13	3.962,0	404,02	890.693	445,35	4.281,0	436,54	962.407	481,20	-	-	-	-
72		23,86	16,03	4.200,0	428,29	944.197	472,10	4.538,0	462,75	1.020.183	510,09	-	-	-	-