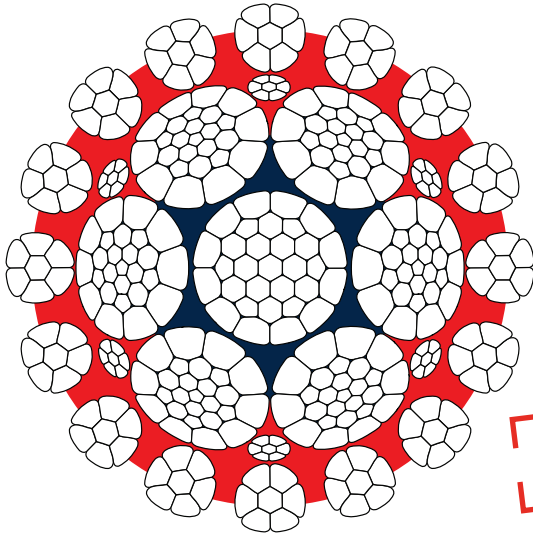


# CASAR DOUBLEFIT



INNOVATIVE DESIGN

## PROPERTIES



Swivel



Lubricated



Plast rope



Compacted



Swaged

## APPLICATIONS

Latest generation of hoist rope especially developed for all kind of ambitious lifting applications. The swaging procedure generates an extrem circular rope surface providing an extraordinary multilayer spooling behaviour. Furthermore this technique ensures Doublefit to reach the highest breaking loads of all rotation resistant ropes from CASAR by using wires in standard tensile grades.

## OVERVIEW

Diameter Range [mm]	18 – 60
RCN	23–2
Number of Outer Strands	16
Number of Wires	341
Number of Outer Load Bearing Wires	112
Average Fill Factor	0.770
Average Nominal Metallic Area Factor C	0.605
Average Spin Factor	0.85

- Temperature range of use: -50°C to +75°C
- Available in right hand and left hand
- Available in ordinary lay and Lang's lay
- Wires in standard tensile grades

## Minimum Breaking Force

Nominal Diameter	Weight	Minimum Breaking Force			
		1960 N/mm <sup>2</sup>		2160 N/mm <sup>2</sup>	
mm	kg/m	kN	t [metric]	kN	t [metric]
18	1.73	318.8	32.51	351.3	35.82
19	1.93	355.2	36.22	391.4	39.91
20	2.13	393.5	40.13	433.7	44.23
21	2.35	433.9	44.24	478.2	48.76
22	2.58	476.2	48.56	524.8	53.51
23	2.82	520.5	53.07	573.6	58.49
24	3.07	566.7	57.79	624.5	63.68
25	3.33	614.9	62.70	677.7	69.10
26	3.61	665.1	67.82	732.9	74.74
27	3.89	717.2	73.14	790.4	80.60
28	4.18	771.3	78.66	850.0	86.68
29	4.49	827.4	84.37	911.8	92.98
30	4.80	885.5	90.29	975.8	99.51
31	5.13	945.5	96.41	1,042.0	106.25
32	5.46	1,007.5	102.73	1,110.3	113.22
33	5.81	1,071.4	109.25	1,180.7	120.40
34	6.17	1,137.3	115.98	1,253.4	127.81
35	6.54	1,205.2	122.90	1,328.2	135.44
36	6.91	1,275.1	130.02	1,405.2	143.29
37	7.30	1,346.9	137.35	1,484.3	151.36
38	7.70	1,420.7	144.87	1,565.6	159.65
39	8.12	1,496.4	152.60	1,649.1	168.17
40	8.54	1,574.2	160.52	1,734.8	176.90
41	8.97	1,653.9	168.65	1,822.6	185.86
42	9.41	1,735.5	176.97	1,912.6	195.03
43	9.87	1,819.1	185.50	2,004.8	204.43
44	10.33	1,904.7	194.23	2,099.1	214.05
45	10.80	1,992.3	203.16	2,195.6	223.89
46	11.29	2,081.8	212.29	2,294.3	233.95
47	11.79	2,173.3	221.62	2,395.1	244.23
48	12.29	2,266.8	231.15	2,498.1	254.74
49	12.81	2,362.2	240.88	2,603.3	265.46
50	13.34	2,459.6	250.81	2,710.6	276.41
51	13.88	2,559.0	260.95	2,820.1	287.57
52	14.43	2,660.3	271.28	2,931.8	298.96
53	14.99	2,763.6	281.82	3,045.6	310.57
54	15.56	2,868.9	292.55	3,161.7	322.40
55	16.14	2,976.1	303.49	3,279.8	334.45
56	16.73	3,085.4	314.62	3,400.2	346.73
57	17.33	3,196.5	325.96	3,522.7	359.22
58	17.95	3,309.7	337.50	3,647.4	371.93
59	18.57	3,424.8	349.23	3,774.2	384.87
60	19.21	3,541.9	361.17	3,903.3	398.03