

COMPLAST9

Product information



General: Complast 9 Regular or Lang lay.

We recommend the Complast 9 for all heavy duty hoisting applications, high performance travelling / Overhead cranes, container cranes, boom hoist, mineral ore cranes, intensive use.

Complast 9 is recommended for all difficult hoisting applications where 8 strands ropes are usually used. Complast 9 can exceed service life performances of 8 strand ropes by up to 20% under the same load conditions.

9 outer strands

Compacted inner and outer strands

Drawn galvanized wires 1960 or 2160 N/mm²

Warrington core filled with plastic

Very high breaking load resistance

High service life performance

Range of diameters from 16 to 64 mm

Marking: According to standard

Standard: EN 12385-4

Crawler crane



Tower crane



Offshore crane



Container crane



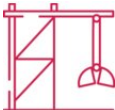
Crawler crane



Offshore crane



Loading crane



Mobile port crane



Mobile port crane



General use



Part Code	Rope Diameter, mm	Steel area mm ²	Min. Breaking force kN. 1960 N/mm ²	Min. Breaking force kN. 2160 N/mm ²	Finish	Construction mm	Weight kg/m
103101604270069	16	135.4	219	239	Galvanized	9x19 SLR	1.2
103101804270069	18	171.7	277	302	Galvanized	-	1.54
103101904270069	19	191.4	308	336	Galvanized	-	1.72
103102004270069	20	213.5	346	375	Galvanized	-	1.92
103102204270069	22	255.2	416	450	Galvanized	-	2.31
103102404270069	24	303.1	493	534	Galvanized	-	2.74
103102504270069	25	334.1	545	586	Galvanized	-	3.02
103102544270069	25.4	350.3	569	611	Galvanized	-	350.3
103102604270069	26	362.7	592	631	Galvanized	-	3.28
103102804270069	28	415.6	677	721	Galvanized	-	3.75
103102864270069	28.6	430.3	700	746	Galvanized	-	3.89
103103004270069	30	469.9	763	814	Galvanized	-	4.25
103103206270069	32	534.6	868	926	Galvanized	-	4.84
103103404270069	34	617.5	1015	1075	Galvanized	-	5.56
103103504270069	35	652.9	1104	1155	Galvanized	-	5.88
103103605270069	36	689.2	1168	1222	Galvanized	-	6.21
103103804270069	38	763.9	1290	1362	Galvanized	-	6.9

103104004270069	40	857.6	1401	1487	Galvanized	-	7.76
103104104270069	41	858.9	1482	1558	Galvanized	-	7.72
103104204270069	42	901.4	1563	1631	Galvanized	-	8.1
103104404270069	44	1,017.1	1716	1785	Galvanized	-	9.16
103104604270069	46	1,142	1870	1945	Galvanized	-	10.31
103104804270069	48	1,235.3	2030	2106	Galvanized	-	11.18
103105004270069	50	1,278.2	2198	2272	Galvanized	-	11.48
103105204270069	52	1,443.4	2343	2405	Galvanized	9x36 WSR	12.99
103105404270069	54	1,556.6	2527	2594	Galvanized	-	14.01
103105604270069	56	1,674	2716	2789	Galvanized	-	15.07
103105804270069	58	1,784.2	2934	3012	Galvanized	-	16.03
103106003270069	60	1,914.6	3160	3244	Galvanized	-	17.24
103106204270069	62	2,080	3402	3492	Galvanized	-	18.75
103106404270069	64	2,186.4	3625	3721	Galvanized	-	19.98

Technical data

Range of diameter	Total number of wires	Outer strands number of wires	Number of wire break at discard				Fill factor
			Regular Lay		Lang's Lay		
			6 x d	30 x d	6 x d	30 x d	
16 - 19	237	153	6	13	3	6	0,67
20 - 32	358	234	10	19	5	10	0,67
34 - 50	403	279	11	22	6	11	0,67
52 - 64	548	324	12	25	6	12	0,67