



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	Tensile strength N/mm ²	Steel area mm ²	Min. Breaking force, kN	Finish	Construction mm	Weight kg/m
103101604270069	16	1,960	135.4	219	Galvanized	9x19 SLR	1.2
103101603270069	16	1,960	135.4	219	Galvanized	9x19 SLR	1.2
103101606270069	16	1,960	135.4	219	Galvanized	9x19 SLR	1.2
103101605270069	16	1,960	135.4	219	Galvanized	9x19 SLR	1.2
103101604300069	16	2,160	135.4	239	Galvanized	9x19 SLR	1.2
103101603300069	16	2,160	135.4	239	Galvanized	9x19 SLR	1.2
103101606300069	16	2,160	135.4	239	Galvanized	9x19 SLR	1.2
103101605300069	16	2,160	135.4	239	Galvanized	9x19 SLR	1.2
103101804270069	18	1,960	171.7	277	Galvanized	-	1.54
103101803270069	18	1,960	171.7	277	Galvanized	-	1.54
103101806270069	18	1,960	171.7	277	Galvanized	-	1.54
103101805270069	18	1,960	171.7	277	Galvanized	-	1.54
103101804300069	18	2,160	171.7	302	Galvanized	-	1.54
103101803300069	18	2,160	171.7	302	Galvanized	-	1.54
103101806300069	18	2,160	171.7	302	Galvanized	-	1.54
103101805300069	18	2,160	171.7	302	Galvanized	-	1.54
103101904270069	19	1,960	191.4	308	Galvanized	-	1.72
103101903270069	19	1,960	191.4	308	Galvanized	-	1.72

103101906270069	19	1,960	191.4	308	Galvanized	-	1.72
103101905270069	19	1,960	191.4	308	Galvanized	-	1.72
103101904300069	19	2,160	191.4	336	Galvanized	-	1.72
103101903300069	19	2,160	191.4	336	Galvanized	-	1.72
103101906300069	19	2,160	191.4	336	Galvanized	-	1.72
103101905300069	19	2,160	191.4	336	Galvanized	-	1.72
103102004270069	20	1,960	213.5	346	Galvanized	-	1.92
103102003270069	20	1,960	213.5	346	Galvanized	9x26 WSR	1.92
103102006270069	20	1,960	213.5	346	Galvanized	9x26 WSR	1.92
103102005270069	20	1,960	213.5	346	Galvanized	9x26 WSR	1.92
103102004300069	20	2,160	213.5	375	Galvanized	9x26 WSR	1.92
103102003300069	20	2,160	213.5	375	Galvanized	9x26 WSR	1.92
103102006300069	20	2,160	213.5	375	Galvanized	9x26 WSR	1.92
103102005300069	20	2,160	213.5	375	Galvanized	9x26 WSR	1.92
103102204270069	22	1,960	255.2	416	Galvanized	-	2.31
103102203270069	22	1,960	255.2	416	Galvanized	-	2.31
103102206270069	22	1,960	255.2	416	Galvanized	-	2.31
103102205270069	22	1,960	255.2	416	Galvanized	-	2.31
103102204300069	22	2,160	255.2	450	Galvanized	-	2.31
103102203300069	22	2,160	255.2	450	Galvanized	-	2.31
103102206300069	22	2,160	255.2	450	Galvanized	-	2.31
103102205300069	22	2,160	255.2	450	Galvanized	-	2.31
103102404270069	24	1,960	303.1	493	Galvanized	-	2.74

103102403270069	24	1,960	303.1	493	Galvanized	-	2.74
103102406270069	24	1,960	303.1	493	Galvanized	-	2.74
103102404300069	24	2,160	303.1	534	Galvanized	-	2.74
103102403300069	24	2,160	303.1	534	Galvanized	-	2.74
103102504270069	25	1,960	334.1	545	Galvanized	-	3.02
103102503270069	25	1,960	334.1	545	Galvanized	-	3.02
103102506270069	25	1,960	334.1	545	Galvanized	-	3.02
103102505270069	25	1,960	334.1	545	Galvanized	-	3.02
103102504300069	25	2,160	334.1	586	Galvanized	-	3.02
103102503300069	25	2,160	334.1	586	Galvanized	-	3.02
103102506300069	25	2,160	334.1	586	Galvanized	-	3.02
103102505300069	25	2,160	334.1	586	Galvanized	-	3.02
103102604270069	26	1,960	362.7	592	Galvanized	-	3.28
103102603270069	26	1,960	362.7	592	Galvanized	-	3.28
103102606270069	26	1,960	362.7	592	Galvanized	-	3.28
103102605270069	26	1,960	362.7	592	Galvanized	-	3.28
103102604300069	26	2,160	362.7	631	Galvanized	-	3.28
103102603300069	26	2,160	362.7	631	Galvanized	-	3.28
103102606300069	26	2,160	362.7	631	Galvanized	-	3.28
103102605300069	26	2,160	362.7	631	Galvanized	-	3.28
103102804270069	28	1,960	415.6	677	Galvanized	-	3.75
103102803270069	28	1,960	415.6	677	Galvanized	-	3.75
103102806270069	28	1,960	415.6	677	Galvanized	-	3.75

103102805270069	28	1,960	415.6	677	Galvanized	-	3.75
103102804300069	28	2,160	415.6	721	Galvanized	-	3.75
103102803300069	28	2,160	415.6	721	Galvanized	-	3.75
103102806300069	28	2,160	415.6	721	Galvanized	-	3.75
103102805300069	28	2,160	415.6	721	Galvanized	-	3.75
103102864270069	28.6	1,960	430.3	700	Galvanized	-	3.89
103102863270069	28.6	1,960	430.3	700	Galvanized	-	3.89
103102866270069	28.6	1,960	430.3	700	Galvanized	-	3.89
103102865270069	28.6	1,960	430.3	700	Galvanized	-	3.89
103102864300069	28.6	2,160	430.3	746	Galvanized	-	3.89
103102863300069	28.6	2,160	430.3	746	Galvanized	-	3.89
103102866300069	28.6	2,160	430.3	746	Galvanized	-	3.89
103102865300069	28.6	2,160	430.3	746	Galvanized	-	3.89
103103004270069	30	1,960	469.9	763	Galvanized	-	4.25
103103003270069	30	1,960	469.9	763	Galvanized	-	4.25
103103006270069	30	1,960	469.9	763	Galvanized	-	4.25
103103005270069	30	1,960	469.9	763	Galvanized	-	4.25
103103004300069	30	2,160	469.9	814	Galvanized	-	4.25
103103003300069	30	2,160	469.9	814	Galvanized	-	4.25
103103006300069	30	2,160	469.9	814	Galvanized	-	4.25
103103206270069	32	1,960	534.6	868	Galvanized	-	4.84
103103205270069	32	1,960	534.6	868	Galvanized	-	4.84
103103206300069	32	2,160	534.6	926	Galvanized	-	4.84

103103205300069	32	2,160	534.6	926	Galvanized	-	4.84
103103404270069	34	1,960	617.5	1,015	Galvanized	-	5.56
103103403270069	34	1,960	617.5	1,015	Galvanized	-	5.56
103103406270069	34	1,960	617.5	1,015	Galvanized	-	5.56
103103405270069	34	1,960	617.5	1,015	Galvanized	-	5.56
103103404300069	34	2,160	617.5	1,075	Galvanized	-	5.56
103103403300069	34	2,160	617.5	1,075	Galvanized	-	5.56
103103406300069	34	2,160	617.5	1,075	Galvanized	-	5.56
103103405300069	34	2,160	617.5	1,075	Galvanized	-	5.56
103103504270069	35	1,960	652.9	1,104	Galvanized	-	5.88
103103503270069	35	1,960	652.9	1,104	Galvanized	-	5.88
103103506270069	35	1,960	652.9	1,104	Galvanized	-	5.88
103103505270069	35	1,960	652.9	1,104	Galvanized	-	5.88
103103504300069	35	2,160	652.9	1,155	Galvanized	-	5.88
103103503300069	35	2,160	652.9	1,155	Galvanized	-	5.88
103103506300069	35	2,160	652.9	1,155	Galvanized	-	5.88
103103505300069	35	2,160	652.9	1,155	Galvanized	-	5.88
103103605270069	36	1,960	689.2	1,168	Galvanized	-	6.21
103103606300069	36	2,160	689.2	1,222	Galvanized	-	6.21
103103605300069	36	2,160	689.2	1,222	Galvanized	-	6.21
103103804270069	38	1,960	763.9	1,290	Galvanized	-	6.9
103103803270069	38	1,960	763.9	1,290	Galvanized	-	6.9
103103806270069	38	1,960	763.9	1,290	Galvanized	-	6.9

103103805270069	38	1,960	763.9	1,290	Galvanized	-	6.9
103103804300069	38	2,160	763.9	1,362	Galvanized	-	6.9
103103803300069	38	2,160	763.9	1,362	Galvanized	-	6.9
103103806300069	38	2,160	763.9	1,362	Galvanized	-	6.9
103103805300069	38	2,160	763.9	1,362	Galvanized	-	6.9
103104104270069	41	1,960	858.9	1,482	Galvanized	-	7.72
103104105270069	41	1,960	858.9	1,482	Galvanized	-	7.72
103104105300069	41	2,160	858.9	1,558	Galvanized	-	7.72
103104004270069	40	1,960	857.6	1,401	Galvanized	-	7.76
103104003270069	40	1,960	857.6	1,401	Galvanized	-	7.76
103104006270069	40	1,960	857.6	1,401	Galvanized	-	7.76
103104005270069	40	1,960	857.6	1,401	Galvanized	-	7.76
103104004300069	40	2,160	857.6	1,487	Galvanized	-	7.76
103104003300069	40	2,160	857.6	1,487	Galvanized	-	7.76
103104006300069	40	2,160	857.6	1,487	Galvanized	-	7.76
103104005300069	40	2,160	857.6	1,487	Galvanized	-	7.76
103104204270069	42	1,960	901.4	1,563	Galvanized	-	8.1
103104203270069	42	1,960	901.4	1,563	Galvanized	-	8.1
103104206270069	42	1,960	901.4	1,563	Galvanized	-	8.1
103104205270069	42	1,960	901.4	1,563	Galvanized	-	8.1
103104204300069	42	2,160	901.4	1,631	Galvanized	-	8.1
103104203300069	42	2,160	901.4	1,631	Galvanized	-	8.1
103104206300069	42	2,160	901.4	1,631	Galvanized	-	8.1

103104205300069	42	2,160	901.4	1,631	Galvanized	-	8.1
103104404270069	44	1,960	1,017.1	1,716	Galvanized	-	9.16
103104403270069	44	1,960	1,017.1	1,716	Galvanized	-	9.16
103104406270069	44	1,960	1,017.1	1,716	Galvanized	-	9.16
103104405270069	44	1,960	1,017.1	1,716	Galvanized	-	9.16
103104404300069	44	2,160	1,017.1	1,785	Galvanized	-	9.16
103104403300069	44	2,160	1,017.1	1,785	Galvanized	-	9.16
103104406300069	44	2,160	1,017.1	1,785	Galvanized	-	9.16
103104405300069	44	2,160	1,017.1	1,785	Galvanized	-	9.16
103104604270069	46	1,960	1,142	1,870	Galvanized	-	10.31
103104604300069	46	2,160	1,142	1,945	Galvanized	-	10.31
103104605300069	46	2,160	1,142	1,945	Galvanized	-	10.31
103104804270069	48	1,960	1,235.3	2,030	Galvanized	-	11.18
103104803270069	48	1,960	1,235.3	2,030	Galvanized	-	11.18
103104806270069	48	1,960	1,235.3	2,030	Galvanized	-	11.18
103104805270069	48	1,960	1,235.3	2,030	Galvanized	-	11.18
103104804300069	48	2,160	1,235.3	2,106	Galvanized	-	11.18
103104803300069	48	2,160	1,235.3	2,106	Galvanized	-	11.18
103104806300069	48	2,160	1,235.3	2,106	Galvanized	-	11.18
103104805300069	48	2,160	1,235.3	2,106	Galvanized	-	11.18
103105004270069	50	1,960	1,278.2	2,198	Galvanized	-	11.48
103105003270069	50	1,960	1,278.2	2,198	Galvanized	-	11.48
103105006270069	50	1,960	1,278.2	2,198	Galvanized	-	11.48

103105005270069	50	1,960	1,278.2	2,198	Galvanized	-	11.48
103105004300069	50	2,160	1,278.2	2,272	Galvanized	-	11.48
103105003300069	50	2,160	1,278.2	2,272	Galvanized	-	11.48
103105006300069	50	2,160	1,278.2	2,272	Galvanized	-	11.48
103105005300069	50	2,160	1,278.2	2,272	Galvanized	-	11.48
103105204270069	52	1,960	1,443.4	2,343	Galvanized	9x36 WSR	12.99
103105203270069	52	1,960	1,443.4	2,343	Galvanized	9x36 WSR	12.99
103105204300069	52	2,160	1,443.4	2,405	Galvanized	9x36 WSR	12.99
103105404270069	54	1,960	1,556.6	2,527	Galvanized	-	14.01
103105403270069	54	1,960	1,556.6	2,527	Galvanized	-	14.01
103105406270069	54	1,960	1,556.6	2,527	Galvanized	-	14.01
103105405270069	54	1,960	1,556.6	2,527	Galvanized	-	14.01
103105404300069	54	2,160	1,556.6	2,594	Galvanized	-	14.01
103105403300069	54	2,160	1,556.6	2,594	Galvanized	-	14.01
103105406300069	54	2,160	1,556.6	2,594	Galvanized	-	14.01
103105405300069	54	2,160	1,556.6	2,594	Galvanized	-	14.01
103105604270069	56	1,960	1,674	2,716	Galvanized	-	15.07
103105603270069	56	1,960	1,674	2,716	Galvanized	-	15.07
103105606270069	56	1,960	1,674	2,716	Galvanized	-	15.07
103105605270069	56	1,960	1,674	2,716	Galvanized	-	15.07
103105604300069	56	2,160	1,674	2,789	Galvanized	-	15.07
103105603300069	56	2,160	1,674	2,789	Galvanized	-	15.07
103105606300069	56	2,160	1,674	2,789	Galvanized	-	15.07

103105605300069	56	2,160	1,674	2,789	Galvanized	-	15.07
103105804270069	58	1,960	1,784.2	2,934	Galvanized	-	16.03
103105803270069	58	1,960	1,784.2	2,934	Galvanized	-	16.03
103105804300069	58	2,160	1,784.2	3,012	Galvanized	-	16.03
103105803300069	58	2,160	1,784.2	3,012	Galvanized	-	16.03
103106003270069	60	1,960	1,914.6	3,160	Galvanized	-	17.24
103106006270069	60	1,960	1,914.6	3,160	Galvanized	-	17.24
103106005270069	60	1,960	1,914.6	3,160	Galvanized	-	17.24
103106004300069	60	2,160	1,914.6	3,244	Galvanized	-	17.24
103106003300069	60	2,160	1,914.6	3,244	Galvanized	-	17.24
103106006300069	60	2,160	1,914.6	3,244	Galvanized	-	17.24
103106005300069	60	2,160	1,914.6	3,244	Galvanized	-	17.24
103106204270069	62	1,960	2,080	3,402	Galvanized	-	18.75
103106203270069	62	1,960	2,080	3,402	Galvanized	-	18.75
103106206270069	62	1,960	2,080	3,402	Galvanized	-	18.75
103106205270069	62	1,960	2,080	3,402	Galvanized	-	18.75
103106204300069	62	2,160	2,080	3,492	Galvanized	-	18.75
103106203300069	62	2,160	2,080	3,492	Galvanized	-	18.75
103106206300069	62	2,160	2,080	3,492	Galvanized	-	18.75
103106205300069	62	2,160	2,080	3,492	Galvanized	-	18.75
103106404270069	64	1,960	2,186.4	3,625	Galvanized	-	19.98
103106403270069	64	1,960	2,186.4	3,625	Galvanized	-	19.98
103106406270069	64	1,960	2,186.4	3,625	Galvanized	-	19.98

103106404300069	64	2,160	2,186.4	3,721	Galvanized	-	19.98
103106403300069	64	2,160	2,186.4	3,721	Galvanized	-	19.98
103102544270069	25.4	1,960	350.3	569	Galvanized	-	350.3
103102543270069	25.4	1,960	350.3	569	Galvanized	-	350.3
103102546270069	25.4	1,960	350.3	569	Galvanized	-	350.3
103102545270069	25.4	1,960	350.3	569	Galvanized	-	350.3
103102544300069	25.4	2,160	350.3	611	Galvanized	-	350.3
103102543300069	25.4	2,160	350.3	611	Galvanized	-	350.3
103102546300069	25.4	2,160	350.3	611	Galvanized	-	350.3
103102545300069	25.4	2,160	350.3	611	Galvanized	-	350.3

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