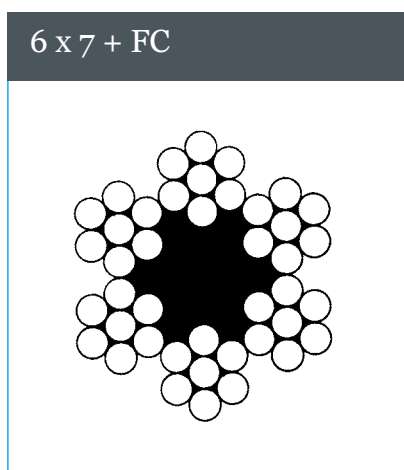


6 x 7 + FC

Minimum breaking force factor: 0.332

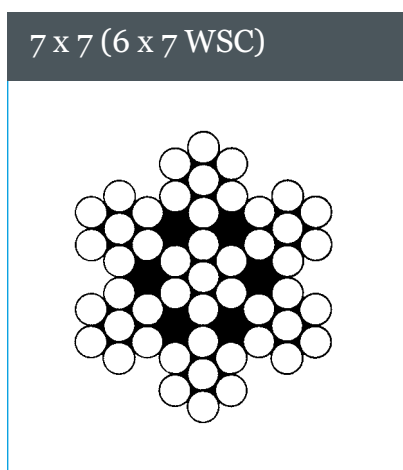
Nominal rope length mass factor: 0.345



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²	
		kN	kg
2	1.38	2.35	240
3	3.11	5.29	540
4	5.52	9.40	960
5	8.63	14.70	1,500
6	12.40	21.20	2,160
7	16.90	28.80	2,940
8	22.10	37.60	3,840
9	27.90	47.60	4,860
10	34.50	58.80	6,000
11	41.70	71.10	7,250
12	49.70	84.60	8,620
13	58.30	99.30	10,100
14	67.60	115.00	11,700
16	88.30	150.00	15,300
18	112.00	190.00	19,400
20	138.00	235.00	24,000

7 x 7 (6 x 7 WSC)

Minimum breaking force factor: 0.359
Nominal rope length mass factor: 0.384

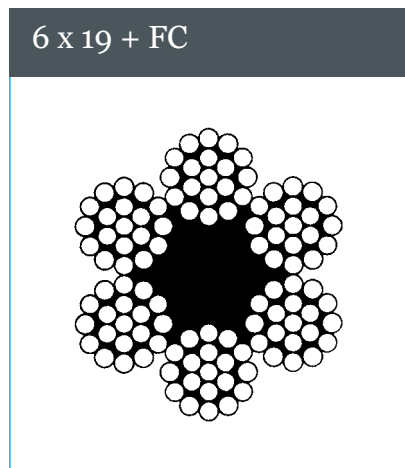


Nominal diameter	Weight 100 m	Minimum Breaking Load	
		1,770 N/mm ²	
mm	kg	kN	kg
2	1.54	2.54	260
3	3.46	5.72	580
4	6.14	10.20	1,040
5	9.60	15.90	1,620
6	13.80	22.90	2,340
7	18.80	31.10	3,170
8	24.60	40.70	4,150
9	31.10	51.50	5,250
10	38.40	63.50	6,480
11	46.50	76.90	7,840
12	55.30	91.50	9,330
13	64.90	107.00	10,900
14	75.30	125.00	12,700
16	98.30	163.00	16,600
18	124.00	206.00	21,000
20	154.00	254.00	25,900

6 x 19 + FC

Minimum breaking force factor: 0.307

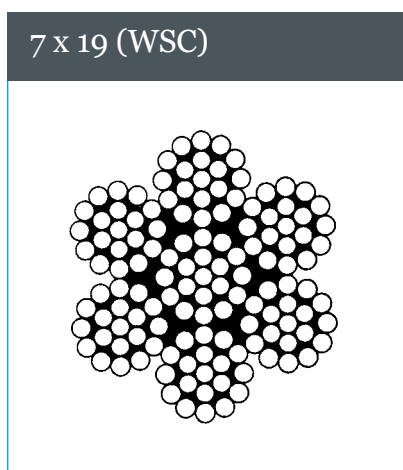
Nominal rope length mass factor: 0.346



Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
3	3.11	4.89	500	5.42	550
4	5.54	8.69	890	9.63	980
5	8.65	13.60	1,390	15.00	1,530
6	12.50	19.60	2,000	21.70	2,210
7	17.00	26.60	2,720	29.50	3,010
8	22.10	34.80	3,550	38.50	3,930
9	28.00	44.00	4,490	48.70	4,970
10	34.60	54.30	5,540	60.20	6,140
11	41.90	65.80	6,710	72.80	7,430
12	49.80	78.30	7,890	86.70	8,840
13	58.50	91.80	9,370	101.70	10,400
14	67.80	107.00	10,900	118.00	12,000
16	88.60	139.00	14,200	154.00	15,700
18	112.00	176.00	18,000	195.00	19,900
20	138.00	217.00	22,220	241.00	24,500
22	168.00	263.00	26,800	291.00	29,700
24	199.00	313.00	31,900	347.00	35,300
26	234.00	367.00	37,500	407.00	41,500
28	271.00	426.00	43,400	472.00	48,100
32	354.00	556.00	56,800	616.00	62,800
36	448.00	704.00	71,800	780.00	79,500
40	554.00	869.00	88,700	963.00	98,200

7 x 19 (WSC)

Minimum breaking force factor: 0.362
Nominal rope length mass factor: 0.381

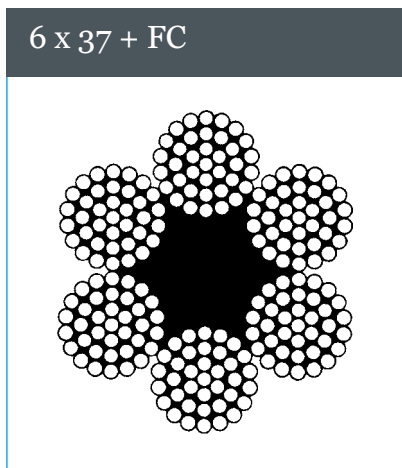


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
3	3.43	5.77	590	6.39	650
4	6.10	10.30	1,050	11.40	1,160
5	9.53	16.00	1,630	17.70	1,810
6	13.70	23.10	2,350	25.50	2,610
7	18.70	31.40	3,200	34.80	3,550
8	24.40	41.00	4,180	45.40	4,630
9	30.90	51.90	5,290	57.50	5,860
10	38.10	64.10	6,540	71.00	7,240
11	46.10	77.50	7,910	85.90	8,760
12	54.90	92.30	9,410	102.20	10,400
13	64.40	108.30	11,000	119.90	12,200
14	74.70	126.00	12,800	139.00	14,200
16	97.50	164.00	16,700	182.00	18,500
18	123.00	208.00	21,200	230.00	23,400
20	152.00	256.00	26,100	284.00	28,900
22	184.00	310.00	31,600	343.00	35,000
24	219.00	369.00	37,600	409.00	41,700
26	258.00	433.00	44,200	480.00	48,900
28	299.00	502.00	51,200	556.00	56,700
32	390.00	656.00	66,900	727.00	74,100
36	494.00	830.00	84,700	920.00	93,800
40	610.00	1,025.00	105,000	1,135.00	116,000

6 x 37 + FC

Minimum breaking force factor: 0.295

Nominal rope length mass factor: 0.346

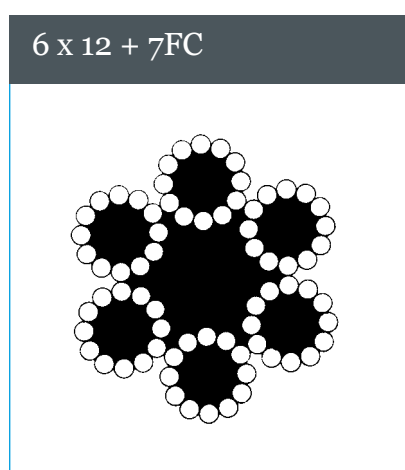


Nominal diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²	
		kN	kg
5	8.65	13.10	1,340
6	12.50	18.80	1,920
7	17.00	25.60	2,610
8	22.10	33.40	3,410
9	28.00	42.30	4,310
10	34.60	52.20	5,320
11	41.90	63.20	6,450
12	49.80	75.20	7,670
13	58.50	88.20	9,000
14	67.80	102.00	10,400
15	77.00	118.00	12,000
16	89.00	134.00	13,700
18	112.00	169.00	17,200
20	138.00	209.00	21,300
22	167.00	253.00	25,800
24	199.00	301.00	30,700
26	234.00	353.00	36,000
28	271.00	409.00	41,700
30	311.00	470.00	47,900
32	354.00	534.00	54,500
34	400.00	604.00	61,600
36	448.00	676.00	68,900
38	500.00	754.00	76,900
40	554.00	835.00	85,200
44	670.00	1,010.00	103,000
48	797.00	1,203.00	123,000
52	936.00	1,410.00	144,000
56	1,085.00	1,637.00	167,000
60	1,246.00	1,880.00	192,000

According EN 12385-4

6 x 12 + 7FC

Minimum breaking force factor: 0.209
Nominal rope length mass factor: 0.224

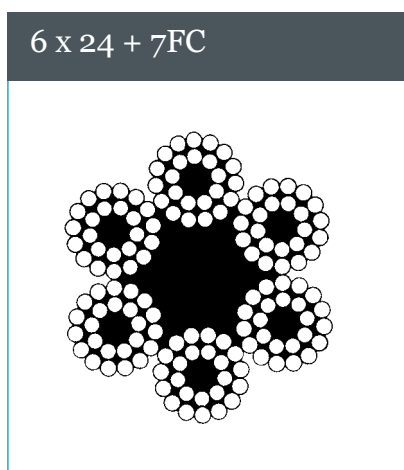


Nominal diameter	Weight 100 m	Minimum Breaking Load	
		1,770 N/mm ²	
mm	kg	kN	kg
3	2.02	3.33	340
4	3.58	5.92	604
5	5.60	9.25	943
6	8.06	13.30	1,360
7	11.00	18.10	1,850
8	14.30	23.70	2,420
9	18.10	30.00	3,060
10	22.40	37.00	3,770
11	27.10	44.80	4,570
12	32.30	53.30	5,440
13	37.90	62.50	6,370
14	43.90	72.50	7,390
16	57.30	94.70	9,660
18	72.60	120.00	12,200
20	89.60	148.00	15,100

6 x 24 + 7FC

Minimum breaking force factor: 0.280

Nominal rope length mass factor: 0.295

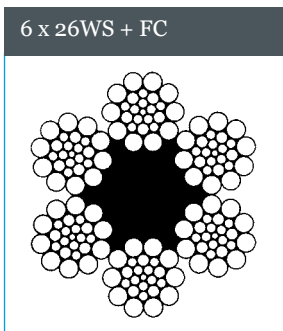
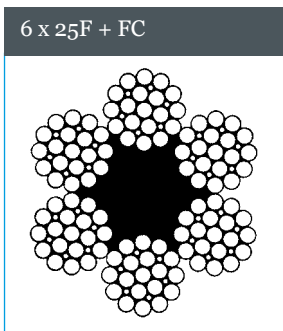
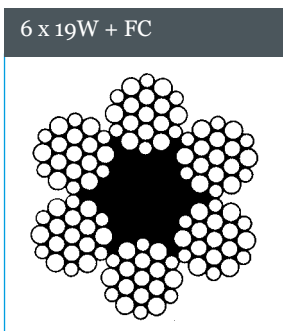
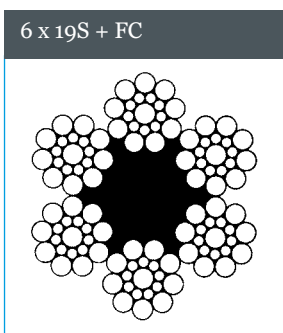


Nominal diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²	
		kN	kg
6	10.60	17.80	1,820
7	14.50	24.30	2,480
8	18.90	31.70	3,230
9	23.90	40.10	4,090
10	29.50	49.60	5,060
11	35.70	60.00	6,120
12	42.50	71.40	7,280
13	49.90	83.80	8,550
14	57.80	97.10	9,900
16	75.50	127.00	13,000
18	95.60	161.00	16,400
20	118.00	198.00	20,200
22	143.00	240.00	24,500
24	170.00	285.00	29,100
26	199.00	335.00	34,200
28	231.00	389.00	39,700
30	266.00	446.00	45,500

6 x 19S + FC / 6 x 19W + FC / 6 x 25F + FC / 6 x 26WS + FC

Minimum breaking force factor: 0.330

Nominal rope length mass factor: 0.359

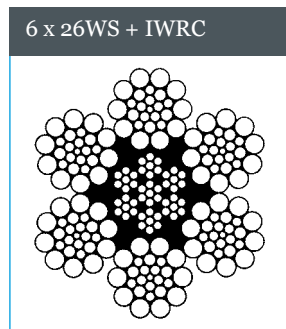
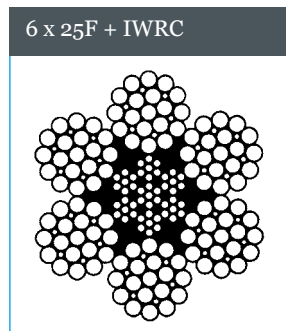
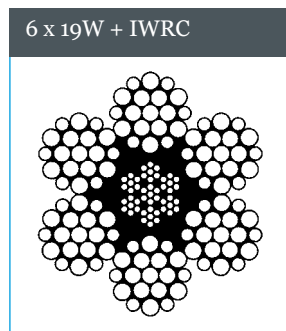
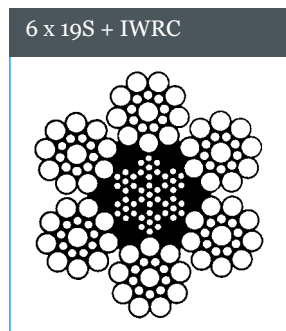


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
6	12.90	21.00	2,140	23.30	2,380
7	17.60	28.60	2,920	31.70	3,230
8	23.00	37.40	3,810	41.40	4,220
9	29.10	47.30	4,820	52.40	5,340
10	35.90	58.40	5,960	64.70	6,600
11	43.30	70.70	7,210	78.30	7,990
12	51.70	84.10	8,580	93.10	9,500
13	60.70	98.70	10,100	109.00	11,100
14	70.40	114.00	11,600	127.00	13,000
16	91.90	150.00	15,300	166.00	16,900
18	116.00	189.00	19,300	210.00	21,400
19	130.00	211.00	21,500	233.00	23,800
20	144.00	234.00	23,900	259.00	26,400
22	174.00	283.00	28,900	313.00	31,900
24	207.00	336.00	34,300	373.00	38,000
26	243.00	395.00	40,300	437.00	44,600
28	281.00	458.00	46,700	507.00	51,700
32	368.00	598.00	61,000	662.00	67,500
36	465.00	757.00	77,200	838.00	85,500
38	518.00	843.00	86,000	934.00	95,300
40	574.00	935.00	95,400	1,040.00	106,000

6 x 19S + IWRC / 6 x 19W + IWRC / 6 x 25F + IWRC / 6 x 26WS + IWRC

Minimum breaking force factor: 0.356

Nominal rope length mass factor: 0.400

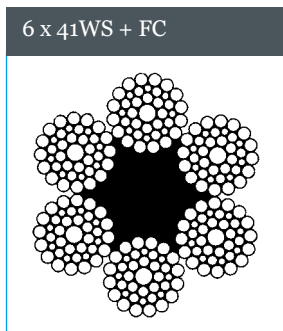
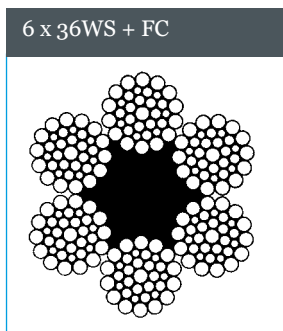
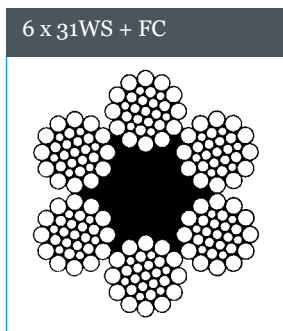


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
6	14.40	22.70	2,320	25.10	2,560
7	19.60	30.90	3,150	34.20	3,490
8	25.60	40.30	4,110	44.70	4,560
9	32.40	51.00	5,200	56.50	5,760
10	40.00	63.00	6,430	69.80	7,120
11	48.40	76.20	7,770	84.40	8,600
12	57.60	90.70	9,250	100.00	10,200
13	67.60	106.00	10,800	118.00	12,000
14	78.40	124.00	12,600	137.00	14,000
16	102.00	161.00	16,400	179.00	18,300
18	130.00	204.00	20,800	226.00	23,000
19	144.00	227.00	23,100	252.00	25,700
20	160.00	252.00	25,700	279.00	28,500
22	194.00	305.00	31,100	338.00	34,500
24	230.00	363.00	37,000	402.00	41,000
26	270.00	426.00	43,400	472.00	48,100
28	314.00	494.00	50,400	547.00	55,800
32	410.00	645.00	65,800	715.00	72,900
36	518.00	817.00	83,300	904.00	92,200
38	578.00	910.00	92,800	1,010.00	103,000
40	640.00	1,010.00	103,000	1,120.00	114,000

6 x 31WS + FC / 6 x 36WS + FC / 6 x 41WS + FC

Minimum breaking force factor: 0.330

Nominal rope length mass factor: 0.367

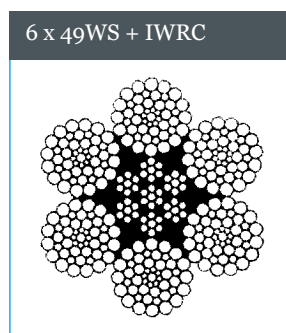
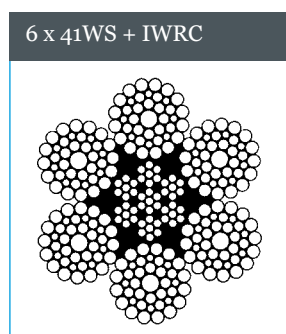
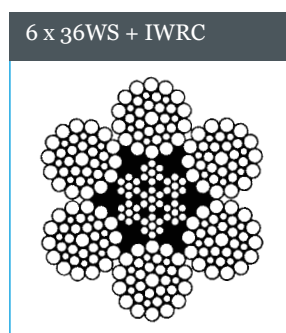
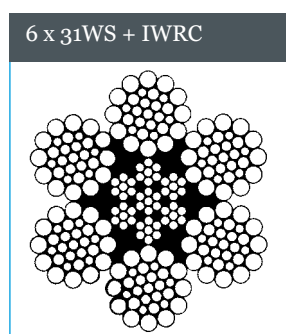


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
8	23.50	37.40	3,810	41.40	4,220
9	29.70	47.30	4,820	52.40	5,340
10	36.70	58.40	5,960	64.70	6,600
11	44.40	70.70	7,210	78.30	7,990
12	52.80	84.10	8,580	93.10	9,500
13	62.00	98.70	10,100	109.00	11,100
14	71.90	114.00	11,600	127.00	13,000
16	94.00	150.00	15,300	166.00	16,900
18	119.00	189.00	19,300	210.00	21,400
20	147.00	234.00	23,900	259.00	26,400
22	178.00	283.00	28,900	313.00	31,900
24	211.00	336.00	34,300	373.00	38,000
26	248.00	395.00	40,300	437.00	44,600
28	288.00	458.00	46,700	507.00	51,700
30	330.00	526.00	53,600	582.00	59,400
32	376.00	598.00	61,000	662.00	67,500
36	476.00	757.00	77,200	838.00	85,500
38	530.00	843.00	86,000	934.00	95,000
40	587.00	935.00	95,300	1,040.00	106,100
44	711.00	1,130.00	115,000	1,250.00	127,000
48	846.00	1,350.00	138,000	1,490.00	152,000
52	992.00	1,580.00	161,000	1,750.00	178,000
56	1,150.00	1,830.00	187,000	2,030.00	207,000
60	1,320.00	2,100.00	214,000	2,330.00	238,000

6 x 31WS + IWRC / 6 x 36WS + IWRC / 6 x 41WS + IWRC / 6 x 49WS + IWRC

Minimum breaking force factor: 0.356

Nominal rope length mass factor: 0.409



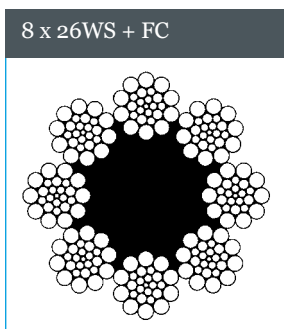
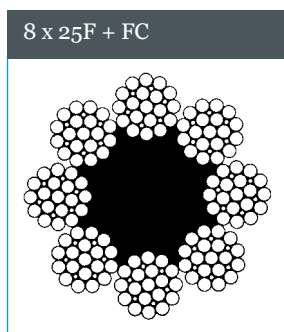
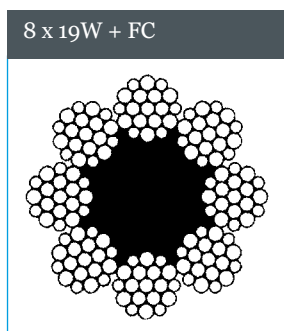
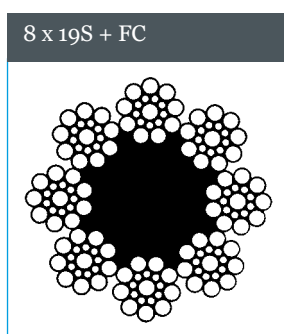
Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
8	26.20	40.30	4,110	44.70	4,560
9	33.10	51.00	5,200	56.50	5,760
10	40.90	63.00	6,420	69.80	7,120
11	49.50	76.20	7,770	84.40	8,600
12	58.90	90.70	9,250	100.00	10,200
13	69.10	106.00	10,800	118.00	12,000
14	80.20	124.00	12,600	137.00	14,000
16	105.00	161.00	16,400	179.00	18,300
18	133.00	204.00	20,800	226.00	23,000
19	148.00	227.00	23,200	252.00	25,700
20	164.00	252.00	25,700	279.00	28,500
22	198.00	305.00	31,100	338.00	34,500
24	236.00	363.00	37,000	402.00	41,000
26	276.00	426.00	43,400	472.00	48,100
28	321.00	494.00	50,400	547.00	55,800
30	368.00	567.00	57,800	628.00	64,000
32	419.00	645.00	65,800	715.00	72,900
34	473.00	728.00	74,200	807.00	82,300
36	530.00	817.00	83,300	904.00	92,200
38	591.00	910.00	92,800	1,010.00	103,000
40	654.00	1,010.00	103,000	1,120.00	114,000
42	721.00	1,110.00	113,000	1,230.00	125,000
44	792.00	1,220.00	124,000	1,350.00	138,000
48	942.00	1,450.00	148,000	1,610.00	164,000
51	1,064.00	1,639.00	167,000	1,815.00	185,000
52	1,110.00	1,700.00	173,000	1,890.00	193,000
56	1,280.00	1,980.00	202,000	2,190.00	223,000
57	1,329.00	2,047.00	208,000	2,267.00	231,000
60	1,470.00	2,270.00	232,000	2,510.00	256,000
64	1,675.00	2,580.00	263,000	2,858.00	291,000

According EN 12385-4

8 x 19S + FC / 8 x 19W + FC / 8 x 25F + FC / 8 x 26WS + FC

Minimum breaking force factor: 0.293

Nominal rope length mass factor: 0.340

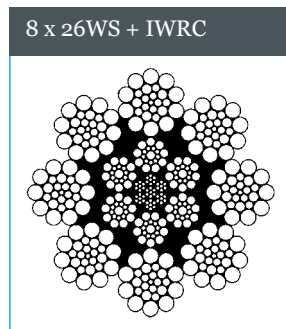
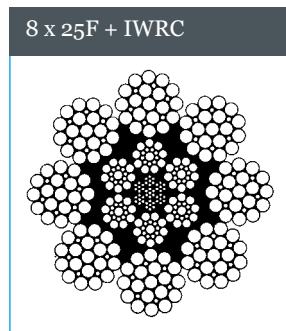
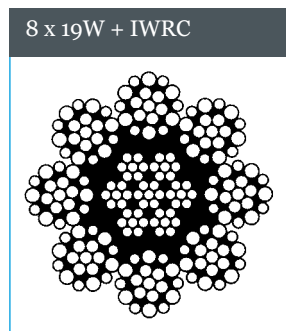
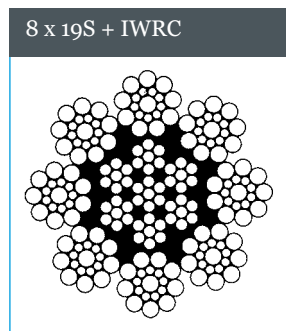


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
8	21.80	33.20	3,390	36.80	3,750
9	27.50	42.00	4,280	46.50	4,740
10	34.00	51.90	5,290	57.40	5,850
11	41.10	62.80	6,410	69.50	7,090
12	49.00	74.70	7,620	82.70	8,430
13	57.50	87.60	8,900	97.10	9,900
14	66.60	102.00	10,400	113.00	11,500
16	87.00	133.00	13,600	147.00	14,500
18	110.00	168.00	17,100	186.00	19,000
20	136.00	207.00	21,100	230.00	23,500
22	165.00	251.00	25,600	278.00	28,400
24	196.00	299.00	30,500	331.00	33,800
26	230.00	351.00	35,800	388.00	39,600
28	267.00	407.00	41,500	450.00	45,900
32	348.00	531.00	54,200	588.00	60,000
36	441.00	672.00	68,500	744.00	75,900
40	544.00	830.00	85,000	919.00	94,000
44	658.00	1,000.00	102,000	1,110.00	113,000
48	783.00	1,200.00	133,000	1,320.00	135,000
52	919.00	1,400.00	143,000	1,550.00	158,000
56	1,070.00	1,630.00	166,000	1,800.00	184,000
60	1,220.00	1,870.00	191,000	2,070.00	211,000

8 x 19S + IWRC / 8 x 19W + IWRC / 8 x 25F + IWRC / 8 x 26WS + IWRC

Minimum breaking force factor: 0.356

Nominal rope length mass factor: 0.407

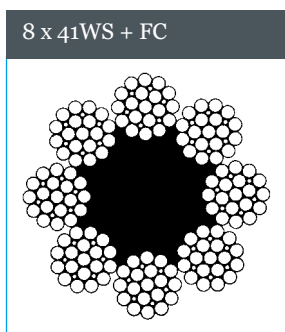
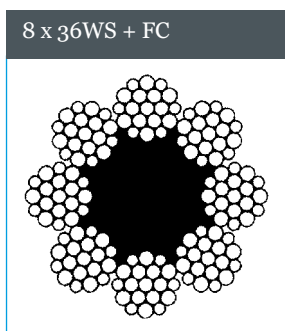
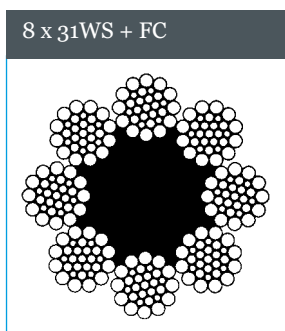


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
8	26.00	40.30	4,110	44.70	4,560
9	33.00	51.00	5,200	56.50	5,760
10	40.70	63.00	6,430	69.80	7,120
11	49.20	76.20	7,770	84.40	8,610
12	58.60	90.70	9,250	100.00	10,200
13	68.80	106.00	10,800	118.00	12,000
14	79.80	124.00	12,600	137.00	13,400
16	104.00	161.00	16,400	179.00	18,300
18	132.00	204.00	20,800	226.00	23,000
20	163.00	252.00	25,700	279.00	28,500
22	197.00	305.00	31,100	338.00	34,500
24	234.00	363.00	37,000	402.00	41,000
26	275.00	426.00	43,400	472.00	48,100
28	319.00	494.00	50,400	547.00	55,800
32	417.00	645.00	65,800	715.00	72,900
36	527.00	817.00	83,300	904.00	92,200
40	651.00	1,010.00	103,000	1,120.00	114,000
44	788.00	1,220.00	124,000	1,350.00	138,000
48	938.00	1,450.00	148,000	1,610.00	164,000
52	1,100.00	1,700.00	173,000	1,890.00	193,000
56	1,280.00	1,980.00	202,000	2,190.00	223,000
60	1,470.00	2,270.00	232,000	2,510.00	256,000

8 x 31WS + FC / 8 x 36WS + FC / 8 x 41WS + FC

Minimum breaking force factor: 0.293

Nominal rope length mass factor: 0.348

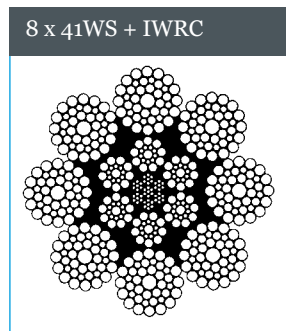
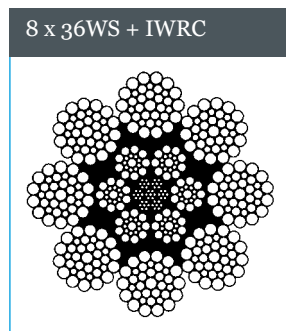
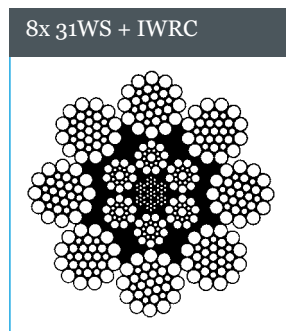


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
8	22.30	33.20	3,390	36.80	3,750
9	28.20	42.00	4,280	46.50	4,740
10	34.80	51.90	5,290	57.40	5,850
11	42.10	62.80	6,410	69.50	7,090
12	50.10	74.70	7,620	82.70	8,430
13	58.80	87.60	8,930	97.10	9,900
14	68.20	102.00	10,400	113.00	11,500
16	89.10	133.00	13,600	147.00	15,000
18	113.00	168.00	17,100	186.00	19,000
20	139.00	207.00	21,100	230.00	23,500
22	168.00	251.00	25,600	278.00	28,400
24	200.00	299.00	30,500	331.00	33,800
26	235.00	351.00	35,800	388.00	39,600
28	273.00	407.00	41,500	450.00	45,900
32	356.00	531.00	54,200	588.00	60,000
36	451.00	672.00	68,500	744.00	75,900
40	557.00	830.00	84,700	919.00	93,700
44	674.00	1,000.00	102,000	1,110.00	113,000
48	802.00	1,200.00	122,000	1,320.00	135,000
52	941.00	1,400.00	143,000	1,550.00	158,000
56	1,090.00	1,630.00	166,000	1,800.00	184,000
60	1,250.00	1,870.00	191,000	2,070.00	211,000

8 x 31WS + IWRC / 8 x 36WS + IWRC / 8 x 41WS + IWRC

Minimum breaking force factor: 0.356

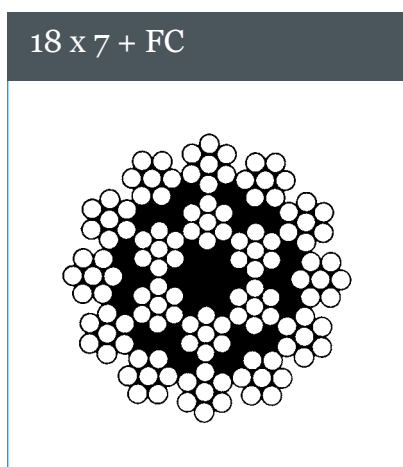
Nominal rope length mass factor: 0.417



Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
8	26.70	40.30	4,110	44.70	4,560
9	33.80	51.00	5,200	56.50	5,760
10	41.70	63.00	6,430	69.80	7,120
11	50.50	76.20	7,770	84.40	8,610
12	60.00	90.70	9,250	100.00	10,200
13	70.50	106.00	10,800	118.00	12,000
14	81.70	124.00	12,600	137.00	14,000
16	107.00	151.00	15,400	179.00	18,300
18	135.00	204.00	20,800	226.00	23,000
20	167.00	252.00	25,700	279.00	28,500
22	202.00	305.00	31,100	338.00	34,500
24	240.00	363.00	37,000	402.00	41,000
26	282.00	426.00	43,400	472.00	48,100
28	327.00	494.00	50,400	547.00	55,800
32	427.00	645.00	65,800	715.00	72,900
36	540.00	817.00	83,300	904.00	92,200
40	667.00	1,010.00	103,000	1,120.00	114,000
44	807.00	1,220.00	124,000	1,350.00	138,000
48	961.00	1,450.00	148,000	1,610.00	164,000
52	1,130.00	1,700.00	173,000	1,890.00	193,000
56	1,310.00	1,980.00	202,000	2,190.00	223,000
60	1,500.00	2,270.00	232,000	2,510.00	256,000

18 x 7 + FC

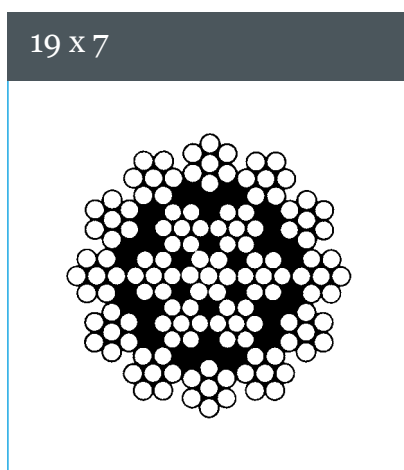
Minimum breaking force factor: 0.328
Nominal rope length mass factor: 0.382



Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
4	6.10	9.30	947	10.30	1,049
5	9.60	14.50	1,480	16.10	1,639
6	13.80	20.90	2,132	23.10	2,360
7	18.70	28.40	2,901	31.50	3,213
8	24.40	37.20	3,789	41.10	4,196
9	30.90	47.00	4,796	52.10	5,311
10	38.20	58.10	5,921	64.30	6,557
11	46.20	70.20	7,164	77.80	7,934
12	55.00	83.60	8,526	92.60	9,442
13	64.60	98.10	10,007	108.60	11,081
14	74.90	113.80	11,605	126.00	12,851
15	86.00	131.00	13,322	145.00	14,752
16	97.80	149.00	15,158	165.00	16,785
18	124.00	188.00	19,184	208.00	21,244
19	138.00	210.00	21,375	232.00	23,670
20	153.00	232.00	23,684	257.00	26,227
22	185.00	281.00	28,658	311.00	31,734
24	220.00	334.00	34,105	370.00	37,766
26	258.00	392.00	40,026	435.00	44,323
28	299.00	455.00	46,421	504.00	51,404

19 x 7

Minimum breaking force factor: 0.328
Nominal rope length mass factor: 0.401

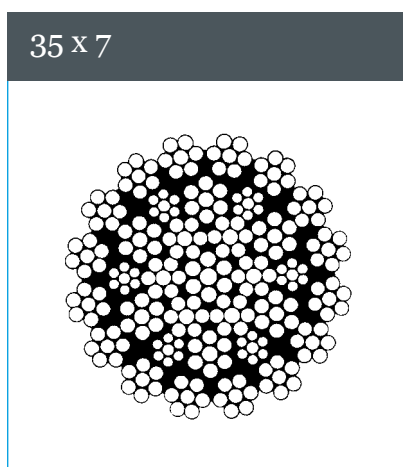


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm ²		Minimum Breaking Load 1,960 N/mm ²	
		mm	kg	kN	kg
4	6.40	9.30	950	10.30	1,050
5	10.00	14.50	1,480	16.10	1,640
6	14.40	20.90	2,130	23.10	2,360
7	19.70	28.50	2,900	31.50	3,210
8	25.70	37.20	3,790	41.10	4,200
9	32.50	47.00	4,800	52.10	5,310
10	40.10	58.10	5,920	64.30	6,560
11	48.50	70.30	7,160	77.80	7,930
12	57.70	84.00	8,530	92.60	9,440
13	67.80	98.00	10,000	108.70	11,100
14	79.00	114.00	11,600	126.00	12,900
15	90.00	131.00	13,300	145.00	14,800
16	103.00	149.00	15,200	165.00	16,800
18	130.00	188.00	19,200	208.00	21,200
19	145.00	210.00	21,400	232.00	23,700
20	160.00	232.00	23,700	257.00	26,200
22	194.00	281.00	28,700	311.00	31,700
24	231.00	334.00	34,100	370.00	37,800
26	271.00	392.00	40,000	435.00	44,300
28	314.00	455.00	46,400	504.00	51,400

35 x 7 (non-rotating | non-compacted)

Minimum breaking force factor: 0.360

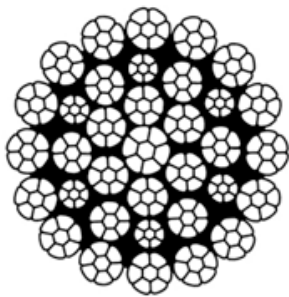
Nominal rope length mass factor: 0.454



Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,960 N/mm ²		Minimum Breaking Load 2,160 N/mm ²	
		mm	kg	kN	kg
8	29.10	45.20	4,610	48.40	4,940
9	36.80	57.20	5,830	61.20	6,240
10	45.40	70.60	7,200	75.60	7,710
11	54.90	85.40	8,710	91.50	9,930
12	65.40	102.00	10,400	109.00	11,100
13	76.70	119.00	12,100	128.00	13,100
14	89.00	138.00	14,100	148.00	15,100
16	116.00	181.00	18,500	194.00	19,800
18	147.00	229.00	23,400	245.00	25,000
20	182.00	282.00	28,800	302.00	30,800
22	220.00	342.00	34,900	366.00	37,300
24	262.00	406.00	41,400	435.00	44,400
26	307.00	477.00	48,600	511.00	52,100
28	356.00	553.00	56,400	593.00	60,500
32	465.00	723.00	73,700	774.00	79,000
36	588.00	914.00	93,200	980.00	100,000
38	656.00	1,020.00	104,000	1,090.00	111,000
40	726.00	1,130.00	115,000	1,210.00	123,000

35 x 7 (non-rotating | compacted)

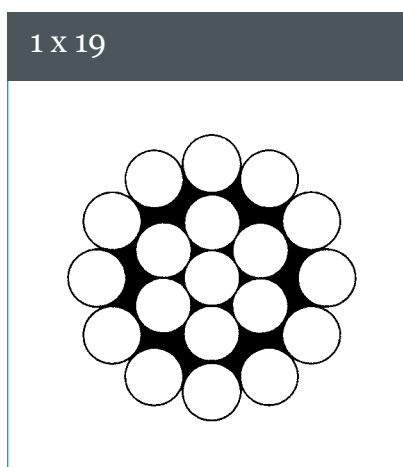
35 x 7



Nominal Diameter	Weight 100 m	Minimum Breaking Load 2,160 N/mm ²	
		kN	kg
10	48	96	9,800
11	58	116	11,800
12	68	138	14,100
13	81	162	16,500
14	94	188	19,200
15	108	216	22,000
16	122	245	25,000
17	138	277	28,200
18	155	311	31,700
19	173	346	35,300
20	195	372	37,900
21	215	424	43,200
22	241	474	48,300
23	267	519	52,800
24	284	551	56,100
25	312	606	61,800
26	335	652	66,400
27	360	700	71,300
28	391	760	77,400
29	413	803	81,800
30	446	866	88,200
31	478	929	94,600
32	503	977	99,500
33	536	1,032	105,000
34	574	1,105	113,000
35	606	1,166	119,000
36	642	1,235	126,000
37	674	1,296	132,000
38	718	1,381	141,000
39	753	1,449	148,000
40	793	1,525	155,000
41	828	1,594	162,000
42	870	1,673	170,000
43	913	1,756	179,000
44	948	1,825	190,000
45	993	1,912	195,000
46	1,040	2,007	207,000
47	1,080	2,086	212,000
48	1,140	2,186	223,000

1 X 19

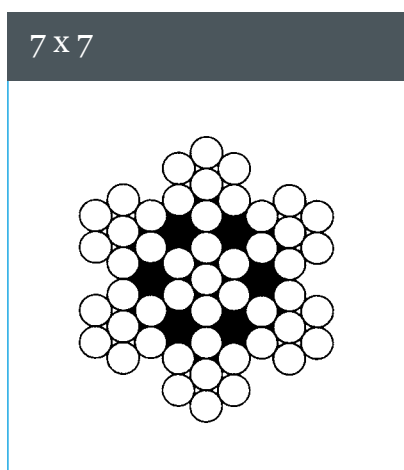
Minimum breaking force factor: 0.525
Nominal rope length mass factor: 0.495



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm ²	
		kN	kg
1.0	0.50	0.82	84
1.5	1.11	1.85	190
2.0	2.00	3.30	340
2.5	3.10	5.15	530
3.0	4.50	7.40	760
4.0	7.90	13.20	1,350
5.0	12.40	20.60	2,100
6.0	17.80	29.70	3,030
7.0	24.30	37.80	3,850
8.0	31.70	52.80	5,380
10.0	49.50	82.40	8,400
12.0	71.30	118.70	12,100

7 x 7

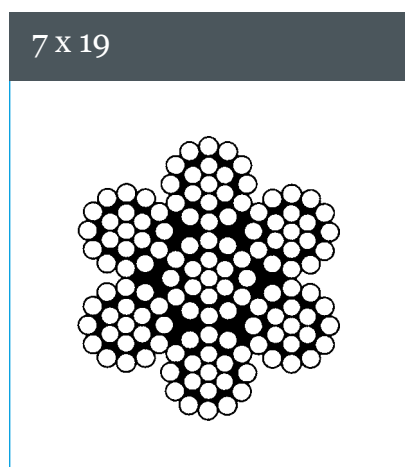
Minimum breaking force factor: 0.359
Nominal rope length mass factor: 0.384



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm ²	
		kN	kg
1.0	0.38	0.56	57
1.5	0.86	1.27	130
2.0	1.54	2.25	230
2.5	2.40	3.52	360
3.0	3.50	5.10	520
4.0	6.10	9.00	920
5.0	9.60	14.10	1,440
6.0	13.80	20.30	2,070
8.0	24.60	36.10	3,680

7 x 19

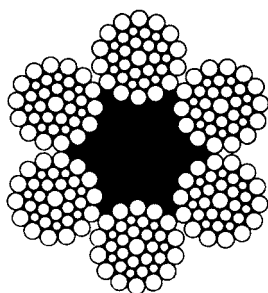
Minimum breaking force factor: 0.362
Nominal rope length mass factor: 0.381



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm ²	
		kN	kg
2.0	1.52	2.27	230
2.5	2.38	3.55	360
3.0	3.43	5.10	520
4.0	6.10	9.10	930
5.0	9.50	14.20	1,450
6.0	13.70	20.50	2,090
8.0	24.40	36.40	3,710
9.0	30.90	46.00	4,700
10.0	38.10	56.80	5,800
12.0	54.90	81.80	8,350

6 x 36WS + FC (stainless steel)

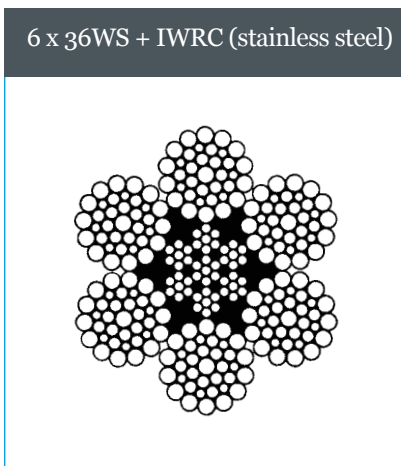
6 x 36WS + FC (stainless steel)



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm ²	
		kN	kg
mm	kg		
12	54.70	74.40	7,600
13	64.30	87.40	8,920
14	74.50	101.00	10,300
16	97.30	133.00	13,500
18	123.00	168.00	17,100
20	152.00	203.00	21,100
22	184.00	250.00	25,500
24	219.00	298.00	30,400
26	257.00	340.00	35,700

6 x 36WS + IWRC (stainless steel)

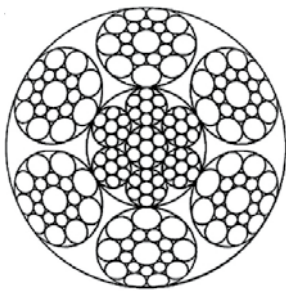
6 x 36WS + IWRC (stainless steel)



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm ²	
		kN	kg
12	60.20	80.60	8,210
13	70.70	94.60	9,630
14	82.00	109.00	11,200
16	107.00	143.00	14,600
18	135.00	181.00	18,500
20	167.00	221.00	22,800
22	202.00	271.00	27,600
24	241.00	322.00	32,800
26	283.00	378.00	38,500

6 x 19 (forestry)

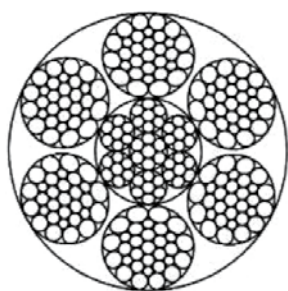
6 x 19 (forestry)



Nominal diameter	Weight 100 m	Minimum Breaking Load
mm	kg	kN
8	36.10	69.40
9	44.10	84.80
10	52.90	102.00
11	62.50	120.00
12	72.90	140.00
13	84.10	162.00
14	96.10	185.00
15	109.00	209.00
16	123.00	235.00

6 x 31 (forestry)

6 x 31 (forestry)



Nominal diameter	Weight 100 m	Minimum Breaking Load
mm	kg	kN
8	36.90	63.00
9	45.10	76.90
10	54.10	92.30
11	63.90	109.00
12	74.50	127.00
13	86.00	146.00
14	98.30	167.00
15	111.00	190.00
16	125.00	213.00

Branded special wire ropes

Our extensive supplier network contains a large number of the world's best and specialised manufacturers.

Chung Woo

For more than 20 years, Chung Woo manufacturers all kinds of quality steel wire rope, stainless steel wire rope, steel wire strand & wire for general and special purposes.

The Korean company produces products for hoist, crane drilling, offshore, oil field, mining and automobile industries.

DSR

Established in 1965. The Korean company is divided in two parts: DSR Wire Corp for steel wire ropes, and DSR Corp for fibre ropes. DSR's extensive range covers industries and applications such as crane, fishing, mooring, mining, logging, anchor, skyline, stainless rope and general purpose.

Kiswire

Established in 1945 in Busan, Korea, Kiswire is the largest wire rope producer in the world. Kiswire has manufacturing facilities in Korea, Malaysia, China and the USA. Annually, about 130,000 tons of wire rope is delivered, worldwide. Meanwhile, it has acquired a reputable and leading position in a great variety of markets, offshore included.

WDI

WDI Ropes is part of the Westfälische Drahtindustrie Group that traces its company history back to a wire production plant founded in 1856. Since 1890, it has run under its current name, WDI Group. The group has divisions that produce wire, bright steel, structural steel and steel wire ropes. WDI Ropes developed a portfolio of high performance wire ropes under the trade name PYTHON. WDI has built up extensive technical knowledge about the many characteristics of wire rope. This gives us the right switches in design and production to manufacture wire rope that matches the requirements of your application.

ZDB

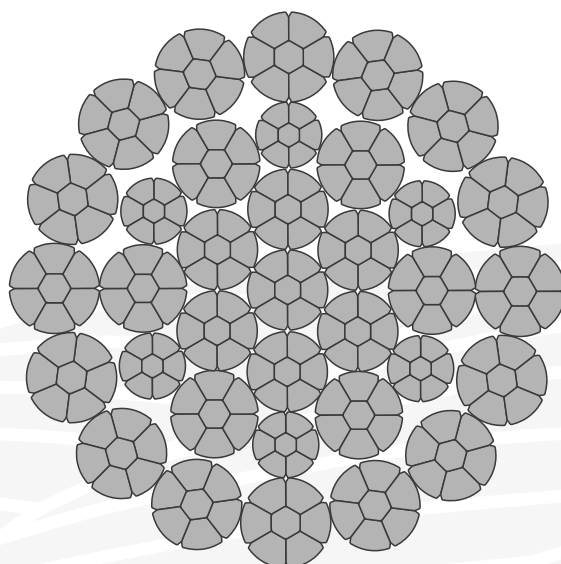
ZDB's wire rope division is part of ZDB GROUP, Bohumin, Czech Republic. The company has its own mill and offers a wide assortment of wire and wire ropes. ZDB products are used in many industries such as in automotive, aviation, food processing, chemical and building industries.

PYTHON COMPAC 35 / COMPAC 35 P

APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	yes
bending performance	●●●●○	use with swivel	yes
drum crush resistance	●●●●○	rec. max fleet angle	2,0°
abrasion resistance	●●●●○	multi layer suited	yes
lateral pressure stability	●●●●○		

ROTATION RESISTANT



HIPAC

optionally available
with PlastGuard
protection as
COMPAC 35 P
[same break-
loads apply]

ROPE CHARACTERISTICS

HiPac compacted, flexible rope with a very high breaking load, perfectly suited for multi layer spooling. Due to the complex LongLife core design the rope is very flexible and durable over competitive products with low number of inner strands. Excellent results on tower cranes, mobile cranes, crawler cranes and offshore pedestal cranes. Available in high diameters for offshore winches and knuckle boom cranes.

construction	number of wires	load bearing outer wires
10-48mm: 35(W)xK7-KWSC	245	112
49-59mm: 35(W)xK17S-KWSC	537	272
60-80mm: 35(W)xK19W-KWSC	647	304
81-100mm: 35(W)xK25F-KWSC	850	304
100+ mm: 35(W)xK31WS-KWSC	1018	496
number of strands	manufacturing tolerance	available in
35	+2% / +4%	regular- / lang lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1960 N/mm ² [kN]	2060 N/mm ² [kN]	2160 N/mm ² [kN]
5/16"	30,7	56	59	62
8	30,7	56	59	62
9	38,9	71	74	78
3/8"	43,4	79	83	87
10	48,0	87	91	96
11	58,1	106	111	116
7/16"	58,1	106	111	116
12	69,1	126	132	138
1/2"	77,1	140	147	154
13	81,1	147	154	162
14	94,1	171	180	188
9/16"	96,0	174	183	196
15	108,0	196	206	216
5/8"	122,8	223	235	246
16	122,8	223	235	246
17	138,7	252	265	278
18	155,5	283	297	311
19	173,2	315	331	347
3/4"	173,7	316	332	348
20	195,0	338	355	373
21	215,0	385	404	424
22	241,0	436	458	480
7/8"	243,5	438	461	483
23	267,0	481	506	530
24	284,0	512	538	564
25	312,0	563	592	620
1"	322,4	587	617	647
26	335,0	605	636	667
27	360,0	649	683	716
28	391,0	705	741	777
1 - 1/8"	402,8	733	771	808
29	413,0	745	783	821
30	446,0	804	845	886
31	478,0	862	906	950
1 - 1/4"	495,6	902	948	994
32	503,0	907	953	999
33	536,0	956	1.004	1.053
34	574,0	1.023	1.075	1.127
1 - 3/8"	600,7	1.080	1.135	1.190
35	606,0	1.080	1.135	1.190
36	642,0	1.144	1.202	1.260
38	718,0	1.279	1.344	1.409
1 - 1/2"	713,9	1.283	1.348	1.414
40	793,0	1.412	1.484	1.557
1 - 5/8"	833,7	1.486	1.561	1.637
42	870,0	1.549	1.629	1.708
44	948,0	1.690	1.776	1.862

PYTHON COMPAC 35 (CONTINUED)

4 - Steel wire rope / Branded special wire ropes | Python Compac 35

ROTATION RESISTANT

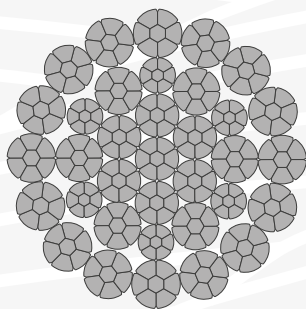
Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1960 N/mm ² [kN]	2060 N/mm ² [kN]	2160 N/mm ² [kN]
1 - 3/4"	957,7	1.707	1.794	1.881
46	1.040,0	1.858	1.953	2.048
1 - 7/8"	1.131,2	2.009	2.111	2.214
48	1.140,0	2.024	2.128	2.231
50	1.230,0	2.184	2.295	2.382
2"	1.249,7	2.219	2.332	2.421
52	1.320,0	2.357	2.477	2.545
2 - 1/8"	1.419,5	2.536	2.665	2.739
54	1.420,0	2.537	2.666	2.740
56	1.550,0	2.758	2.899	2.979
2 - 1/4"	1.604,2	2.867	3.013	3.096
58	1.660,0	2.960	3.111	3.196
60	1.770,0	3.158	3.319	3.446
2 - 3/8"	1.779,7	3.175	3.337	3.465
62	1.880,0	3.356	3.528	3.662
2 - 1/2"	1.975,6	3.520	3.699	3.840
64	2.000,0	3.565	3.746	3.889
66	2.140,0	3.811	4.005	4.157
2 - 5/8"	2.189,5	3.928	4.129	4.286
68	2.260,0	4.031	4.237	4.398
2 - 3/4"	2.404,8	4.294	4.512	4.637
70	2.410,0	4.303	4.522	4.647
72	2.540,0	4.531	4.762	4.894
2 - 7/8"	2.610,0	4.657	4.895	5.030
74	2.700,0	4.808	5.053	5.193
76	2.840,0	5.066	5.325	5.472
3"	2.847,5	5.079	5.339	5.486
78	2.990,0	5.335	5.607	5.762
3 - 1/8"	3.064,7	5.469	5.749	5.906
80	3.130,0	5.574	5.859	6.020
82	3.290,0	5.865	6.164	6.399
3 - 1/4"	3.312,1	5.904	6.205	6.442
84	3.480,0	6.203	6.520	6.768
3 - 3/8"	3.560,3	6.352	6.676	6.859
86	3.620,0	6.451	6.780	6.967
88	3.790,0	6.755	7.100	7.295
3 - 1/2"	3.875,6	6.909	7.261	7.462
90	3.990,0	7.118	7.481	7.687
92	4.140,0	7.380	7.756	7.970
3 - 5/8"	4.143,6	7.386	7.763	7.977
94	4.340,0	7.729	8.123	8.347
3 - 3/4"	4.431,6	7.905	8.309	8.537
96	4.560,0	8.125	8.540	8.775
98	4.710,0	8.391	8.819	9.063
3 - 7/8"	4.730,7	8.428	8.858	9.103
100	4.910,0	8.754	9.200	9.454

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

PYTHON COMPAC 35 PLUS

APPLICATION INFORMATION

breaking strength	●●●●●	rotation resistant	yes
bending performance	●●●●○	use with swivel	yes
drum crush resistance	●●●●○	rec. max fleet angle	2,0°
abrasion resistance	●●●●○	multi layer suited	yes
lateral pressure stability	●●●●●		



Nominal diameter [mm/inch]	weight [kg/100m]	weight [lbs/100ft]	Minimum breaking load
			2160 N/mm ² [kN]
5/8"	130,0	87,4	272
16	127,0	87,4	272
17	143,0	96,1	308
18	162,0	108,9	345
19	177,0	119,0	386
3/4"	177,0	119,0	386
20	200,0	134,4	425
21	217,0	145,8	460
22	238,0	159,9	525
7/8"	240,0	174,7	527
23	260,0	176,7	550
24	283,0	190,2	613
25	308,0	207,0	656
1"	320,0	215,1	686
26	331,0	222,4	705
28	385,0	258,7	816
1 - 1/8"	402,0	270,2	851
30	441,0	296,4	938
1 - 1/4"	497,0	334,0	1.029
32	511,0	343,4	1.085
34	535,0	383,1	1.184
1 - 3/8"	608,0	408,6	1.240
35	608,0	408,6	1.240

ROPE CHARACTERISTICS

Enhanced version of Compac 35 for applications with extreme breaking strength requirements. Improved pressure stability.



HIPAC

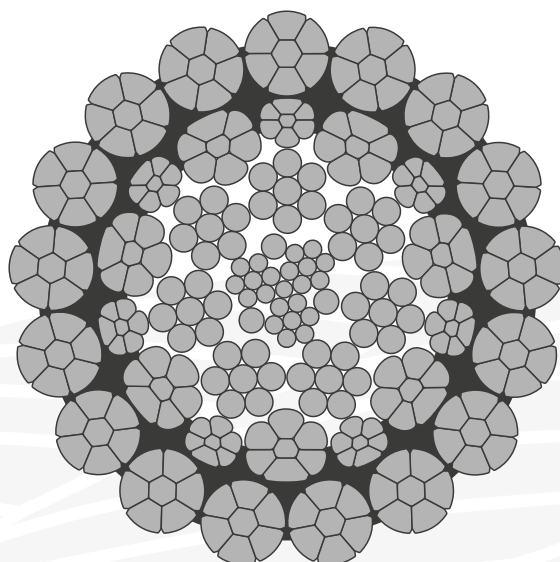
construction 35(W)xK7-KWSC	load bearing wires in outer strands 112	Rope category # (ISO 4309) 23-2
number of outer strands 16	diameter tolerance +2% / +4%	avg. fill factor 0,72
rotation resistance (ISO 21669) class a)	available lay type regular lay & lang lay	

PYTHON HOIST C

APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	yes
bending performance	●●●●○	use with swivel	yes
drum crush resistance	●●●●○	rec. max fleet angle	2,0°
abrasion resistance	●●●●○	multi layer suited	yes
lateral pressure stability	●●●●○		

ROTATION RESISTANT



HIPAC



PLASTGUARD

ROPE CHARACTERISTICS

Flexible high strength hoist rope for offshore cranes and deck cranes. The PlastGuard protection makes this rope less sensitive to high fleet angles. The ForcePac'd core in connection with the HiPac compacted outer layer provide very good pressure resistance on multi layer drums. An in-house developed long lasting lubrication formula protects the rope during long idle times.

construction 41(W)xK7-EPKWSC	number of wires 291	load bearing outer wires 119
number of strands 41	manufacturing tolerance +2% / +4%	available in regular- / lang lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm ² [kN]	2160 N/mm ² [kN]
12	68,4	136	143
1/2"	74,9	151	158
13	78,0	153	163
14	89,3	179	188
9/16"	94,2	190	199
15	103,9	208	218
5/8"	117,3	236	247
16	118,7	237	248
17	133,1	262	279
18	150,0	300	315
19	169,5	338	355
3/4"	169,5	338	355
20	186,9	374	392
21	205,8	412	432
22	224,7	450	472
7/8"	229,6	461	484
23	248,5	497	516
24	272,3	543	559
25	294,7	580	612
1"	302,7	608	638
26	317,0	633	664
27	340,5	679	713
28	364,0	726	761
1-1/8"	381,4	767	804
29	389,6	778	816
30	415,2	830	870
31	442,2	883	926
1-1/4"	466,3	931	976
32	469,2	937	982
33	499,8	999	1.047
34	530,4	1.061	1.112
1-3/8"	564,8	1.128	1.183
35	565,9	1.130	1.185
36	601,4	1.200	1.258
38	659,8	1.318	1.382
1-1/2"	668,9	1.328	1.386
40	731,7	1.461	1.532
1-5/8"	780,0	1.558	1.634
42	817,7	1.635	1.714
44	898,9	1.795	1.882
1-3/4"	908,1	1.813	1.901
46	988,9	1.974	2.070
1-7/8"	1.030,5	2.060	2.160
48	1.044,8	2.091	2.193

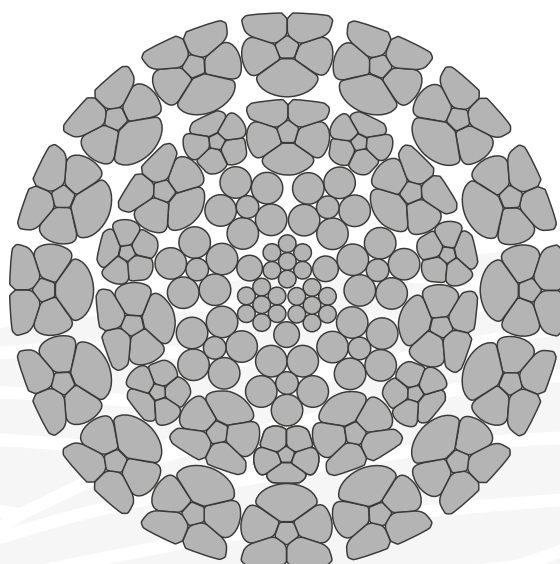
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

PYTHON LIFT

APPLICATION INFORMATION

breaking strength	●●●●●	rotation resistant	yes
bending performance	●●○○○	use with swivel	yes
drum crush resistance	●●●●●	rec. max fleet angle	2,0°
abrasion resistance	●●●●●	multi layer suited	yes
lateral pressure stability	●●●●●		

ROTATION RESISTANT



FORCEPAC

ROPE CHARACTERISTICS

Lift features the ForcePac compaction on both the core and the outer lay. Boasting with very high breaking strength, it is the ideal rope for low frequency cranes such as life boat davits or high capacity crawler cranes. It comes with excellent pressure stability and abrasion resistance for use in multi layer systems with high line pulls.

construction 39(W)xK6-KWSC	number of wires 241	load bearing outer wires 75
number of strands 39	manufacturing tolerance +2% / +4%	available in regular lay

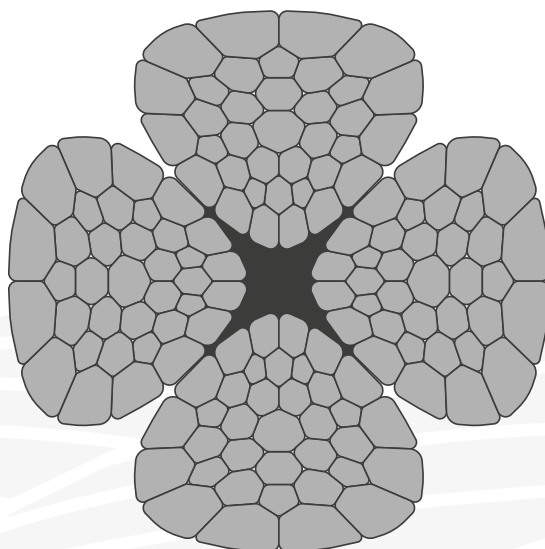
Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm ² [kN]	2160 N/mm ² [kN]
10	47,0	96	106
11	57,0	116	128
7/16"	57,4	118	130
12	68,0	139	153
1/2"	77,2	158	164
13	79,0	163	179
14	92,0	189	208
9/16"	97,3	199	220
15	106,0	217	239
5/8"	119,4	238	247
16	120,0	246	272
17	136,0	278	307
18	152,0	312	344
19	169,0	347	383
3/4"	171,8	347	383
20	188,0	385	424
21	207,5	425	469
22	227,0	466	513
7/8"	234,5	471	519
23	248,5	510	562
24	270,0	554	611
25	293,5	602	664
1"	305,2	604	665
26	317,0	651	717
27	342,5	703	774
28	368,0	755	832
1-1/8"	388,4	768	847
29	395,0	810	893
30	422,0	866	955
31	451,0	926	1.020
1-1/4"	479,5	949	1.045
32	480,0	986	1.086

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

PYTHON 4RUNNER

APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	no
bending performance	●●●●○	use with swivel	no
drum crush resistance	●●●●○	rec. max fleet angle	2,0°
abrasion resistance	●●●●●	multi layer suited	yes
lateral pressure stability	●●●●○		



SEMI - ROTATION RESISTANT

ROPE CHARACTERISTICS

PYTHON 4Runner is a semi rotation resistant rope for applications with high dynamic shocks. 4Runner often provides a superior lifetime over rotation resistant ropes with a high number of outer strands. Its robustness is achieved by its construction and the combination of our compaction technologies HiPac and ForcePac. 4Runner must not be used with a swivel.



HIPAC



FORCEPAC

construction K4xK36-FC	load bearing wires in outer strands 144	Rope category # (ISO 4309) 22
number of outer strands 4	diameter tolerance 0%/+5%	avg. fill factor 0,62
rotation resistance (ISO 21669) limited, class b	available lay type regular lay	

Nominal diameter [mm/inch]	weight [kg/100m]	weight [lbs/100ft]	Minimum breaking load	
			1960 N/mm ² [kN]	2160 N/mm ² [kN]
6	15,3	10,3	33	36
1/4"	17,6	11,8	38	42
7	20,8	14,0	45	50
5/16"	27,2	18,3	59	65
8	27,2	18,3	59	65
9	34,4	23,1	74	82
3/8"	38,4	25,8	83	91
10	42,4	28,5	92	101
11	51,3	34,5	111	122
7/16"	51,3	34,5	111	122
12	58,9	39,6	124	137
1/2"	66,5	44,7	141	155
13	69,8	46,9	148	163
14	80,8	54,3	171	188
9/16"	84,5	56,7	179	197
15	93,1	62,6	197	217
5/8"	105,5	70,9	223	246
16	105,5	70,9	223	246
17	119,2	80,1	253	279
18	133,0	89,4	282	311
19	149,2	100,2	316	348
3/4"	149,2	100,2	316	348
20	165,3	111,1	349	385
21	182,4	122,6	386	425
22	199,5	134,1	422	465
7/8"	203,3	136,6	430	474
23	218,5	146,8	462	510
24	237,5	159,6	503	554
25	257,9	173,3	546	602
1"	266,1	178,8	564	621
26	278,4	187,0	590	650
27	300,2	201,7	636	701
28	322,1	216,4	682	752
1-1/8"	345,1	231,9	713	786
29	360,5	242,3	733	808
30	399,0	268,1	784	864
31	426,1	286,3	838	923
1-1/4"	447,7	300,9	880	970
32	453,2	304,5	891	982
33	482,6	324,3	948	1.045
34	512,1	344,1	1.005	1.108
1-3/8"	539,6	362,6	1.015	1.119
35	539,6	362,6	1.015	1.119
36	567,2	381,1	1.025	1.129

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

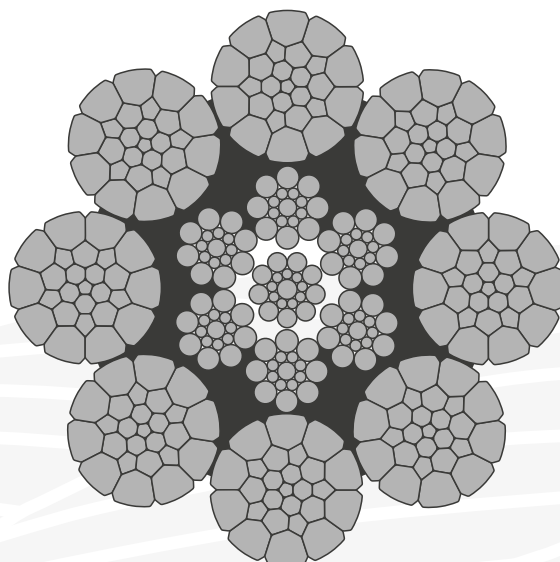
PYTHON SUPER 8 C

APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	no
bending performance	●●●●○	use with swivel	no
drum crush resistance	●●●●○	rec. max fleet angle	4,0°
abrasion resistance	●●●●○	multi layer suited	yes
lateral pressure stability	●●●●○		

4 - Steel wire rope / Branded special wire ropes | Python Super 8 C

NON - ROTATION RESISTANT



ROPE CHARACTERISTICS

Super 8 C is the classic upgrade rope for most crane types for increased rope service life performance while maintaining the ability to operate with fleet angles up to 4°. The 8-strand construction provides an excellent combination of flexibility, fatigue life, and abrasion resistance.

The rope is available in dual-tensile strength by which the outer strand wires are made from a higher fatigue resistant steel (on request). Suited as hoist line in systems using a left and right handed rope and in multi-fall applications with low lifting heights.

construction	number of wires	load bearing outer wires
10-40mm: 8xK26WS-EPIWRC	257 / 329	208
41-55mm: 8xK31WS-EPIWRC	369	248
56-65mm: 8xK36WS-EPIWRC	409	288
66+ mm: 8xK41WS-EPIWRC	449	328
number of strands	manufacturing tolerance	available in
8+IWRC	+2% / +4%	regular- / lang lay

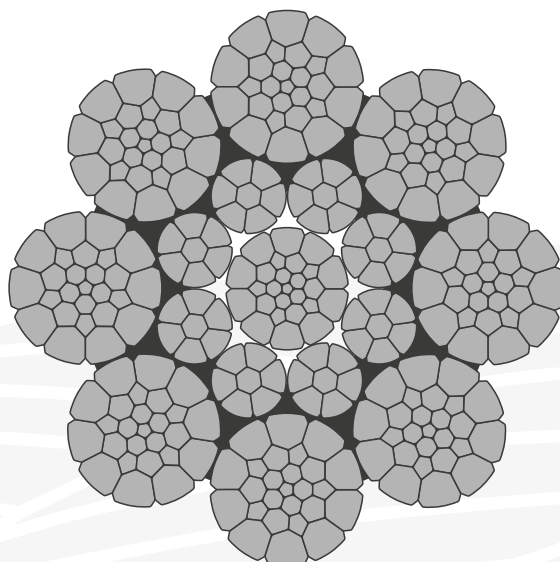
Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1770 N/mm ² [kN]	1960 N/mm ² [kN]	2160 N/mm ² [kN]
12	63,5	113	129	132
1/2"	69,8	124	141	145
13	74,0	131	150	153
14	86,7	154	175	180
9/16"	88,3	157	179	184
15	98,0	176	200	205
5/8"	109,0	195	221	227
16	114,1	203	231	237
17	126,8	226	257	263
18	142,4	255	290	297
19	157,5	282	321	329
3/4"	157,5	282	321	329
20	175,7	314	357	366
21	194,5	348	396	405
22	213,2	382	434	445
7/8"	213,7	386	439	449
23	232,2	416	473	485
24	251,1	450	512	525
25	272,4	489	556	570
1"	282,7	499	574	581
26	293,7	527	600	615
27	318,7	573	651	667
28	343,7	618	703	720
1-1/8"	359,4	636	730	739
29	367,6	660	751	769
30	391,5	702	798	818
31	421,3	756	860	881
1-1/4"	442,6	778	898	909
32	451,0	810	921	944
33	479,9	859	977	1.001
34	508,7	908	1.033	1.058
1-3/8"	535,3	935	1.068	1.100
35	538,7	964	1.096	1.123
36	568,7	1.020	1.160	1.188
38	634,0	1.132	1.287	1.319
1-1/2"	641,4	1.133	1.289	1.320
40	700,4	1.257	1.430	1.465
1-5/8"	739,8	1.328	1.510	1.547
42	769,1	1.381	1.571	1.609
44	847,2	1.514	1.722	1.764
1-3/4"	877,4	1.567	1.783	1.826
46	929,3	1.659	1.888	1.934
1-7/8"	982,7	1.757	1.995	2.044
48	1.010,1	1.807	2.049	2.100

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

PYTHON SUPER 8 CD

APPLICATION INFORMATION

breaking strength	●●●●●	rotation resistant	no
bending performance	●●●●○	use with swivel	no
drum crush resistance	●●●●○	rec. max fleet angle	3,0°
abrasion resistance	●●●●○	multi layer suited	yes
lateral pressure stability	●●●●○		



HIPAC



PLASTGUARD



LONGLIFE

NON - ROTATION RESISTANT

ROPE CHARACTERISTICS

Boasting with breakload and fatigue life, Super 8 CD is suited as hoist and luffing rope in applications with extreme breakload requirements. Suited as hoist line in systems using a left and right handed rope and in multi-fall applications with low lifting heights.

construction	number of wires	load bearing outer wires
10-40mm: 8xK26WS-EPPWRC(K)	290	208
41-55mm: 8xK31WS-EPPWRC(K)	335	248
56-65mm: 8xK36WS-EPPWRC(K)	444	288
66+ mm: 8xK41WS-EPPWRC(K)	505	328
number of strands	manufacturing tolerance	available in
8+IWRC	+2% / +4%	regular- / lang lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1770 N/mm ² [kN]	1960 N/mm ² [kN]	2160 N/mm ² [kN]
18	159,3	270	300	330
19	174,0	296	327	361
3/4"	174,0	296	327	361
20	192,9	328	363	400
21	214,8	365	404	445
22	235,4	400	443	488
7/8"	243,0	400	443	488
23	257,2	437	484	533
24	281,8	479	530	584
25	304,9	518	573	632
1"	317,0	539	596	657
26	328,5	558	618	681
27	352,0	598	662	730
28	384,9	654	724	798
1-1/8"	396,0	672	745	821
29	407,9	693	767	845
30	435,7	740	819	903
31	470,7	799	885	975
1-1/4"	500,3	850	941	1.037
32	500,3	850	941	1.037
33	528,8	898	995	1.096
34	559,8	951	1.053	1.160
1-3/8"	596,3	1.013	1.122	1.236
35	596,3	1.013	1.122	1.236
36	630,0	1.070	1.185	1.306
38	709,4	1.205	1.334	1.470
1-1/2"	709,4	1.205	1.334	1.470
40	778,4	1.322	1.464	1.613
1-5/8"	820,6	1.394	1.544	1.702
42	865,8	1.471	1.628	1.795
44	940,6	1.597	1.769	1.949
1-3/4"	950,6	1.614	1.787	1.969
46	1.033,3	1.755	1.943	2.142
1-7/8"	1.109,8	1.885	2.087	2.300
48	1.118,4	1.899	2.103	2.318
50	1.222,3	2.076	2.299	2.533
2"	1.265,0	2.142	2.372	2.614
52	1.312,2	2.229	2.468	2.720

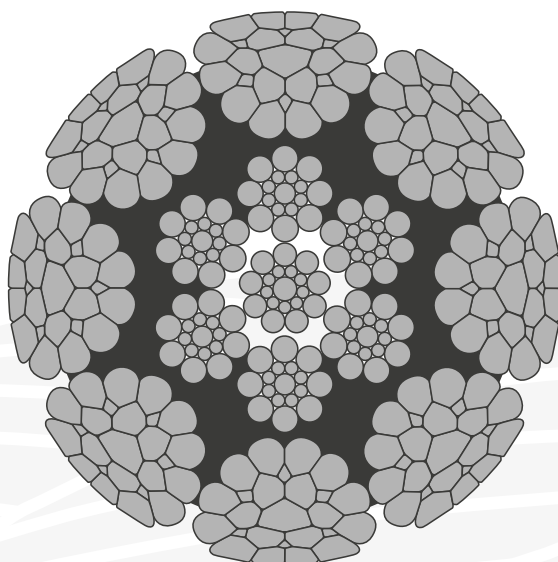
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

PYTHON SUPER 8 S

APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	no
bending performance	●●●●○	use with swivel	no
drum crush resistance	●●●●●	rec. max fleet angle	4,0°
abrasion resistance	●●●●●	multi layer suited	yes
lateral pressure stability	●●●●○		

NON - ROTATION RESISTANT



FORCEPAC



PLASTGUARD

ROPE CHARACTERISTICS

Super 8 S is a specialist in applications with severe drum crushing or in applications where material ingress causes a short rope service life (e.g. excavator draglines). The ForcePac compaction ensures a very closed and round rope surface, providing smooth and even spooling plus reduced wear and tear. Suited as hoist line in systems using a left and right handed rope and in multi-fall applications with low lifting heights.

construction 8xK25F-EPIWRC	number of wires 249 / 321	load bearing outer wires 152
number of strands 8+IWRC	manufacturing tolerance +2% / +4%	available in regular lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1770 N/mm ² [kN]	1960 N/mm ² [kN]	2160 N/mm ² [kN]
12	67,0	119	132	145
1/2"	74,3	133	153	160
13	79,0	140	155	170
14	92,0	162	179	198
9/16"	94,0	168	193	202
15	105,0	186	206	227
5/8"	115,5	203	225	248
16	119,0	212	234	258
17	135,0	239	264	291
18	152,0	268	297	327
19	168,0	298	330	364
3/4"	168,0	298	330	364
20	187,0	331	366	403
21	207,0	365	404	446
22	227,0	400	443	488
7/8"	233,6	412	456	502
23	248,0	438	485	534
24	269,0	476	527	581
25	292,5	517	573	631
1"	300,7	538	610	639
26	316,0	558	618	682
27	341,0	603	668	736
28	366,0	648	717	791
1-1/8"	375,2	679	752	829
29	393,5	696	770	849
30	421,0	744	823	907
31	450,0	795	880	970
1-1/4"	464,0	827	930	976
32	479,0	846	937	1.032
33	510,0	901	997	1.099
34	541,0	955	1.058	1.166
1-3/8"	563,0	984	1.129	1.184
35	573,5	1.013	1.122	1.236
36	606,0	1.071	1.186	1.307

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST



PowerMax Rope

• **World best high quality**

Through DSR Wire Corp's unique drawing technique, our wire ropes ensure high ductility, our wire ropes consist of very fine microstructure, due to newest and brand new model of heat treatment equipment and unique technique.

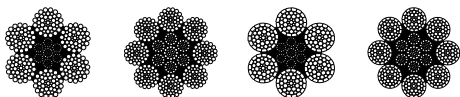
• **Best quality of component wire rope and excellent life time**

DSR wire ropes provide satisfactory quality in anti-fatigue and high breaking strength, therefore our wire ropes which guarantee over 20% longer lifetime will fit to customers' special needs.

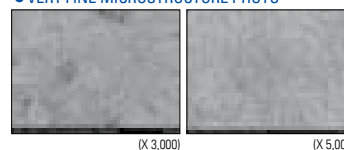
• **High structural stability**

Accumulated experience for Lubrication and Rope Construction.

PowerMax Rope is the DSR's own brand name for large diameter wire ropes used for offshore industry and various mining applications.



• **VERY FINE MICROSTRUCTURE PHOTO**



Nominal Dia.	Offshore Powerlift 6, Powerlift 8 (Metric Ton)						Approximate Weight 6 × ROPE Kg/m	Approximate Weight 8 × ROPE Kg/m	Offshore Powerflex 6, Powerflex 8 (Metric Ton)					Approximate Weight 6 × ROPE Kg/m	Approximate Weight 8 × ROPE Kg/m
	mm	inch	EIPS	EEIPS	Z GRADE	ZZ GRADE			ZZZ GRADE	EIPS	EEIPS	Z GRADE	ZZ GRADE		
50.8	2	180	197	226	234	244	11.3	11.4	199	218	246	259	270	12.1	12.2
52.0		189	206	236	245	258	11.8	11.9	201	220	252	271	283	12.7	12.8
54.0	2-1/8	200	221	243	255	264	12.8	12.8	224	245	269	281	284	13.7	13.8
56.0		215	238	262	274	284	13.7	13.8	241	264	290	326	306	14.7	14.9
57.2	2-1/4	224	247	278	290	302	14.3	14.4	250	275	306	323	326	15.3	15.5
58.0		230	254	285	299	311	14.7	14.8	257	283	315	333	336	15.8	15.9
60.3	2-3/8	249	274	300	315	337	15.9	16.0	281	307	340	349	363	17.1	17.2
63.5	2-1/2	274	301	337	355	369	17.7	17.7	304	336	375	394	398	18.9	19.1
66.7	2-5/8	299	330	371	390	407	19.5	19.6	333	367	413	435	439	20.9	21.1
69.9	2-3/4	333	360	411	430	448	21.4	21.5	364	401	452	475	484	22.9	23.1
71.0		343	372	424	444	463	22.1	22.2	376	414	467	491	500	23.7	23.9
73.0	2-7/8	361	392	449	470	490	23.4	23.5	392	435	497	520	529	25.0	25.3
74.0		371	403	461	483	503	24.0	24.1	403	447	510	534	543	25.7	25.9
76.2	3	389	425	488	516	538	25.4	25.5	423	472	545	574	581	27.3	27.5
77.0		397	434	498	527	549	26.0	26.1	432	482	557	586	593	27.8	28.1
79.4	3-1/8	435	458	523	550	572	27.6	27.7	458	508	579	610	618	29.6	29.8
82.6	3-1/4	470	493	560	587	611	29.8	30.0	494	548	618	652	668	32.0	32.3
83.0		475	498	566	593	618	30.2	30.3	499	554	625	659	676	32.3	32.6
85.7	3-3/8	504	528	607	639	666	32.2	32.3	527	586	674	707	719	34.5	34.8
87.0		519	544	625	658	686	33.1	33.3	543	604	694	728	741	35.5	35.8
88.9	3-1/2	537	563	659	692	723	34.6	34.8	565	627	735	770	781	37.1	37.4
90.0		550	577	675	709	741	35.5	35.6	579	643	753	789	800	38.0	38.4
95.3	3-3/4	610	640	716	752	785	39.7	39.9	642	713	795	836	848	42.6	43.0
96.0		620	650	727	764	797	40.4	40.5	652	724	808	849	861	43.3	43.6
101.6	4	687	720	796	836	874	45.2	45.4	719	799	884	928	943	48.5	48.9
103.0		706	740	818	859	898	46.5	46.7	739	821	909	954	969	-	50.2
108.0	4-1/4	752	788	845	887	928	51.0	51.3	796	884	978	1,027	1,027	-	55.2
109.0		767	803	862	904	946	52.0	52.3	812	901	997	1,047	1,047	-	56.3
114.3	4-1/2	835	876	939	986	1,031	57.2	57.5	874	971	1,074	1,127	1,146	-	61.9
120.7	4-3/4	921	967	1,036	1,088	1,138	63.7	64.0	953	1,059	1,172	1,230	1,250	-	68.9
122.0		942	989	1,059	1,112	1,164	65.2	65.5	974	1,083	1,198	1,258	1,278	-	70.5
127.0	5	1,015	1,063	1,138	1,195	1,250	70.6	70.9	1,034	1,149	1,271	1,334	1,356	-	76.4
128.0		1,031	1,080	1,156	1,214	1,270	71.7	72.1	1,050	1,167	1,291	1,355	1,377	-	77.6
133.4	5-1/4	1,085	1,138	1,219	1,278	1,337	-	78.2	1,140	1,232	1,363	1,431	1,454	-	84.2
135.0		1,112	1,166	1,249	1,310	1,370	-	80.2	-	-	-	-	-	-	-
139.7	5-1/2	1,163	1,223	1,310	1,375	1,437	-	85.8	-	-	-	-	-	-	-
141.0		1,185	1,246	1,334	1,401	1,464	-	87.4	-	-	-	-	-	-	-
146.1	5-3/4	1,250	1,315	1,406	1,477	1,545	-	93.8	-	-	-	-	-	-	-
148.0		1,284	1,350	1,444	1,517	1,587	-	96.3	-	-	-	-	-	-	-
152.4	6	1,339	1,410	1,508	1,583	1,656	-	102.2	-	-	-	-	-	-	-