

A close-up, black and white photograph of a steel wire rope, showing the intricate braided pattern of the strands. The lighting creates strong highlights and shadows, emphasizing the metallic texture and the three-dimensional structure of the rope.

# Steel wire rope

## 4. Steel wire rope

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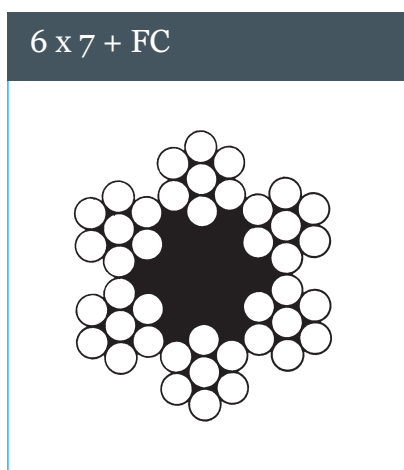
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## 6 x 7 + FC

Minimum breaking force factor: 0.332

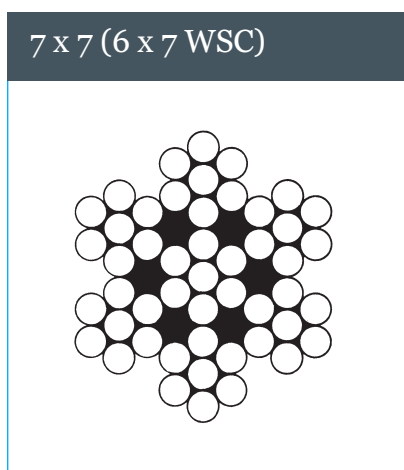
Nominal rope length mass factor: 0.345



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>	
		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

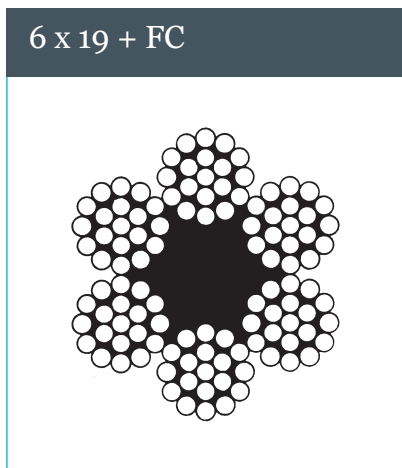


Nominal diameter	Weight 100 m	Minimum Breaking Load	
		1,770 N/mm <sup>2</sup>	
mm	kg	kN	kg
2	1.54	2.54	260
3	3.46	5.72	580
4	6.14	10.20	1,040
5	9.60	15.90	1,620
6	13.80	22.90	2,340
7	18.80	31.10	3,170
8	24.60	40.70	4,150
9	31.10	51.50	5,250
10	38.40	63.50	6,480
11	46.50	76.90	7,840
12	55.30	91.50	9,330
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

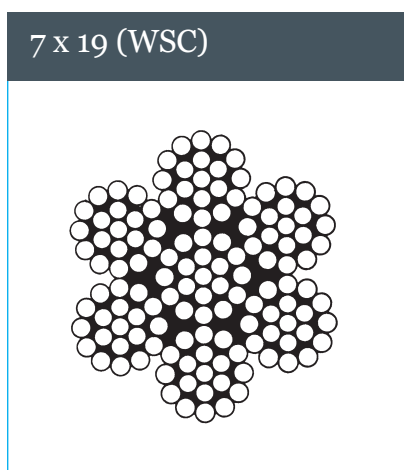
Nominal rope length mass factor: 0.346



Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		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

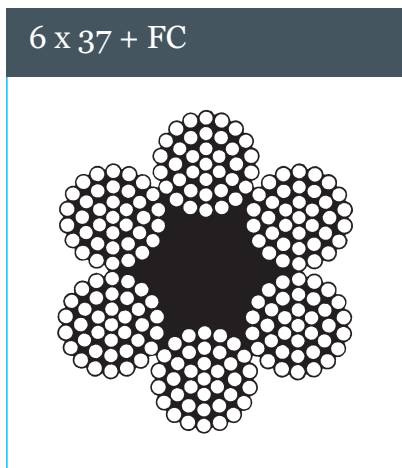


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
3	3.43	5.77	590	6.39	650
4	6.10	10.30	1,050	11.40	1,160
5	9.53	16.00	1,630	17.70	1,810
6	13.70	23.10	2,350	25.50	2,610
7	18.70	31.40	3,200	34.80	3,550
8	24.40	41.00	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

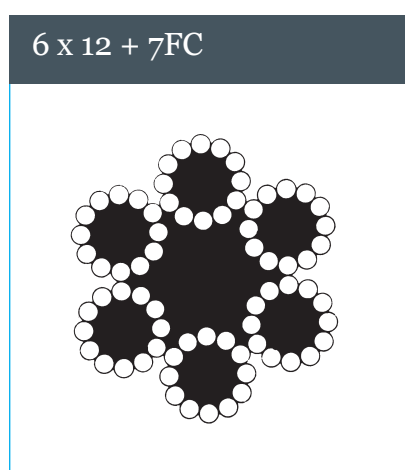


Nominal diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>	
		kN	kg
5	8.65	13.10	1,340
6	12.50	18.80	1,920
7	17.00	25.60	2,610
8	22.10	33.40	3,410
9	28.00	42.30	4,310
10	34.60	52.20	5,320
11	41.90	63.20	6,450
12	49.80	75.20	7,670
13	58.50	88.20	9,000
14	67.80	102.00	10,400
15	77.00	118.00	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



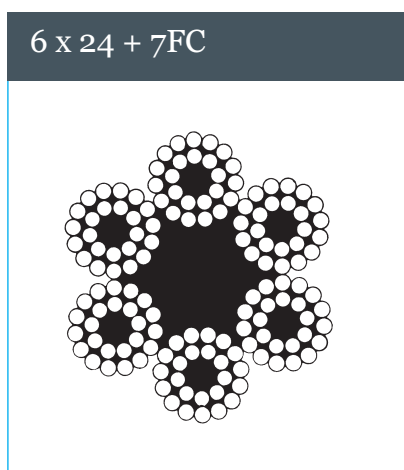
Nominal diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>	
		kN	kg
3	2.02	3.33	340
4	3.58	5.92	604
5	5.60	9.25	943
6	8.06	13.30	1,360
7	11.00	18.10	1,850
8	14.30	23.70	2,420
9	18.10	30.00	3,060
10	22.40	37.00	3,770
11	27.10	44.80	4,570
12	32.30	53.30	5,440
13	37.90	62.50	6,370
14	43.90	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

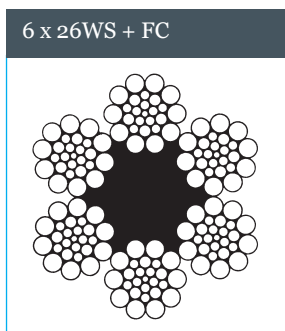
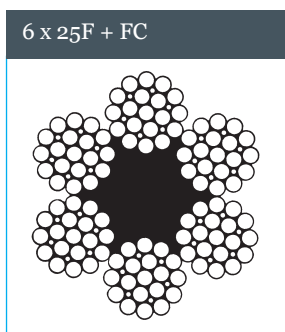
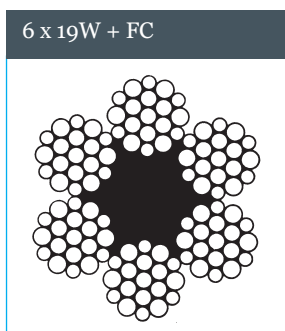
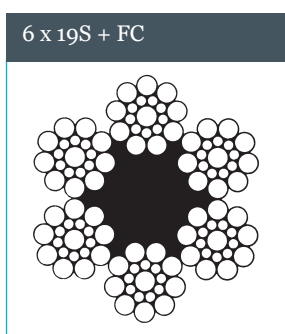


Nominal diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>	
		kN	kg
6	10.60	17.80	1,820
7	14.50	24.30	2,480
8	18.90	31.70	3,230
9	23.90	40.10	4,090
10	29.50	49.60	5,060
11	35.70	60.00	6,120
12	42.50	71.40	7,280
13	49.90	83.80	8,550
14	57.80	97.10	9,900
16	75.50	127.00	13,000
18	95.60	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

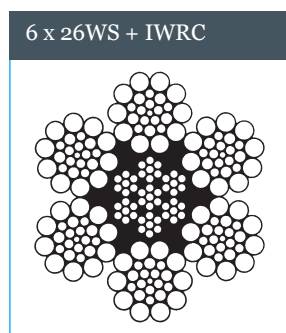
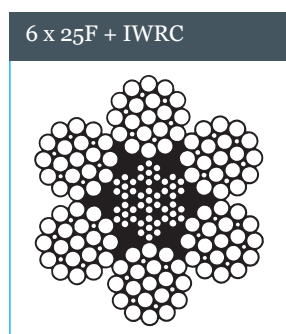
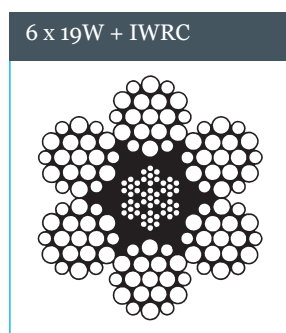
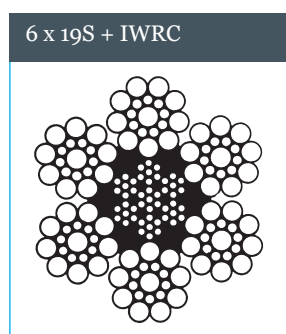


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
6	12.90	21.00	2,140	23.30	2,380
7	17.60	28.60	2,920	31.70	3,230
8	23.00	37.40	3,810	41.40	4,220
9	29.10	47.30	4,820	52.40	5,340
10	35.90	58.40	5,960	64.70	6,600
11	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

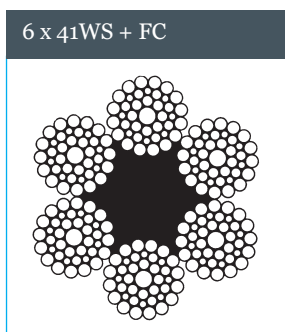
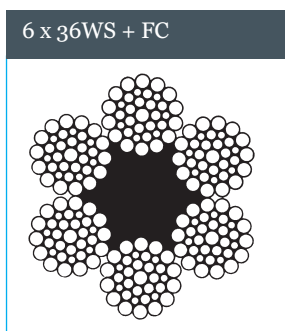
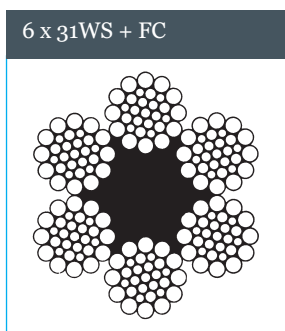


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
6	14.40	22.70	2,320	25.10	2,560
7	19.60	30.90	3,150	34.20	3,490
8	25.60	40.30	4,110	44.70	4,560
9	32.40	51.00	5,200	56.50	5,760
10	40.00	63.00	6,430	69.80	7,120
11	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

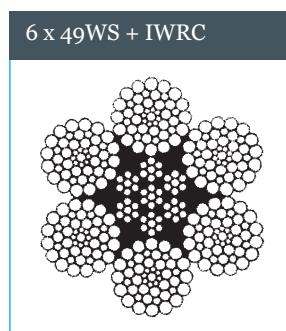
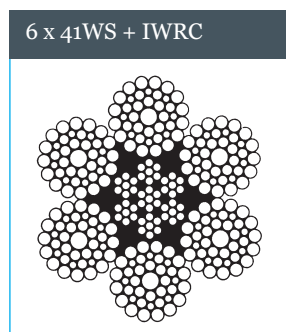
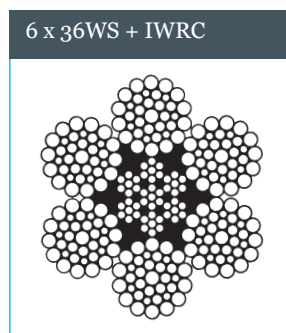
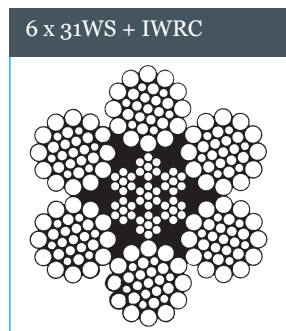


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
8	23.50	37.40	3,810	41.40	4,220
9	29.70	47.30	4,820	52.40	5,340
10	36.70	58.40	5,960	64.70	6,600
11	44.40	70.70	7,210	78.30	7,990
12	52.80	84.10	8,580	93.10	9,500
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



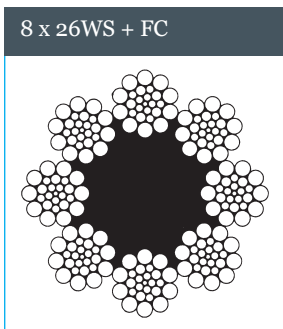
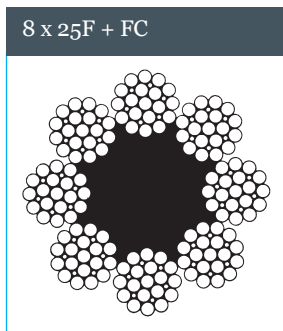
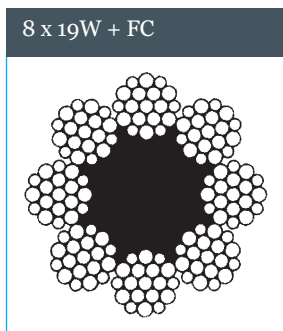
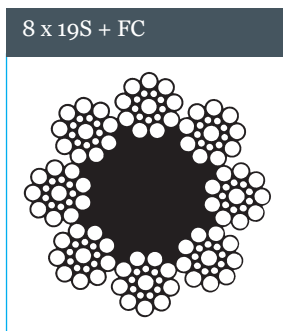
Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
8	26.20	40.30	4,110	44.70	4,560
9	33.10	51.00	5,200	56.50	5,760
10	40.90	63.00	6,420	69.80	7,120
11	49.50	76.20	7,770	84.40	8,600
12	58.90	90.70	9,250	100.00	10,200
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

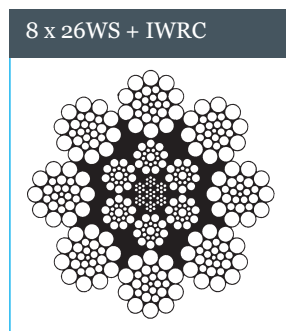
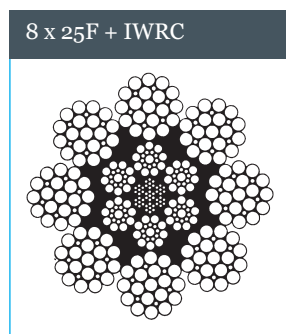
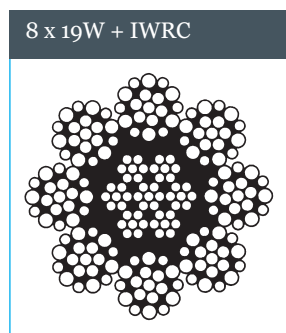
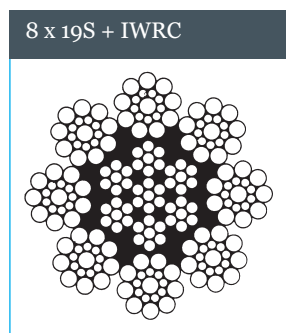


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
8	21.80	33.20	3,390	36.80	3,750
9	27.50	42.00	4,280	46.50	4,740
10	34.00	51.90	5,290	57.40	5,850
11	41.10	62.80	6,410	69.50	7,090
12	49.00	74.70	7,620	82.70	8,430
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

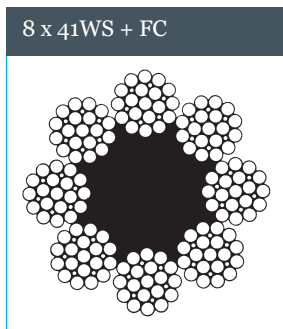
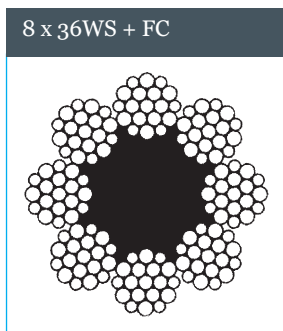
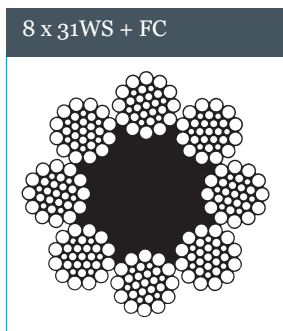


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
8	26.00	40.30	4,110	44.70	4,560
9	33.00	51.00	5,200	56.50	5,760
10	40.70	63.00	6,430	69.80	7,120
11	49.20	76.20	7,770	84.40	8,610
12	58.60	90.70	9,250	100.00	10,200
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



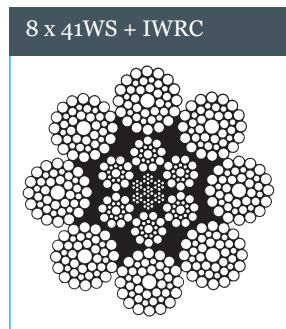
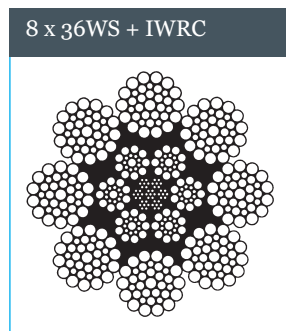
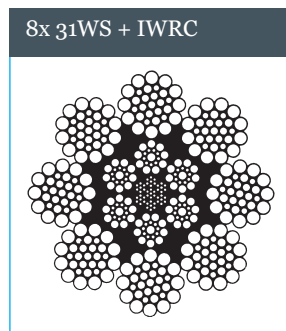
Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
8	22.30	33.20	3,390	36.80	3,750
9	28.20	42.00	4,280	46.50	4,740
10	34.80	51.90	5,290	57.40	5,850
11	42.10	62.80	6,410	69.50	7,090
12	50.10	74.70	7,620	82.70	8,430
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

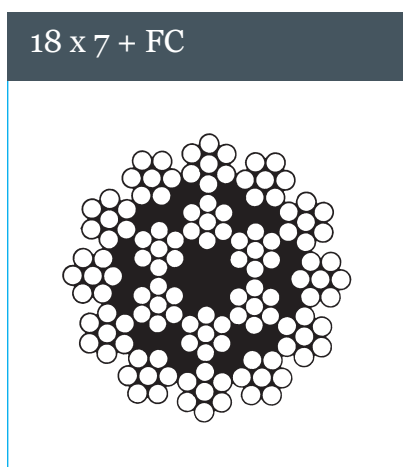
Nominal rope length mass factor: 0.417



Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		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

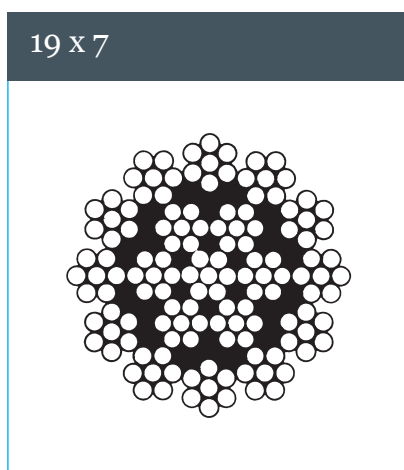
Minimum breaking force factor: 0.328  
Nominal rope length mass factor: 0.382



Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		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

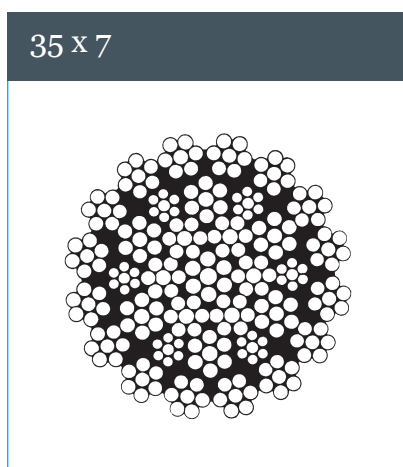


Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,770 N/mm <sup>2</sup>		Minimum Breaking Load 1,960 N/mm <sup>2</sup>	
		mm	kg	kN	kg
4	6.40	9.30	950	10.30	1,050
5	10.00	14.50	1,480	16.10	1,640
6	14.40	20.90	2,130	23.10	2,360
7	19.70	28.50	2,900	31.50	3,210
8	25.70	37.20	3,790	41.10	4,200
9	32.50	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

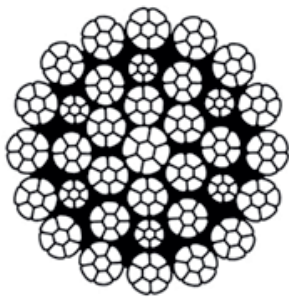
Nominal rope length mass factor: 0.454



Nominal Diameter	Weight 100 m	Minimum Breaking Load 1,960 N/mm <sup>2</sup>		Minimum Breaking Load 2,160 N/mm <sup>2</sup>	
		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)

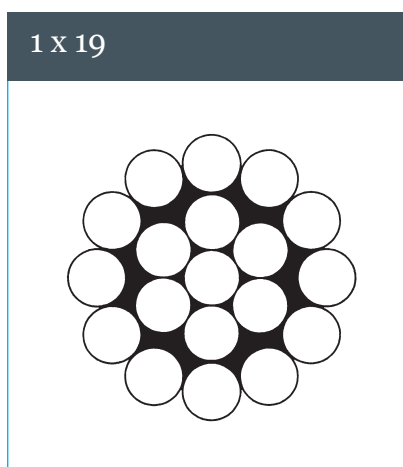
35 x 7



Nominal Diameter	Weight 100 m	Minimum Breaking Load 2,160 N/mm <sup>2</sup>	
		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

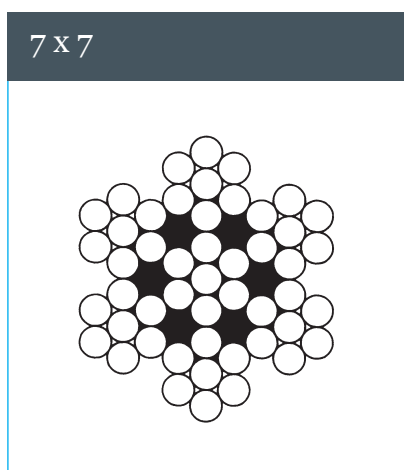
Minimum breaking force factor: 0.525  
Nominal rope length mass factor: 0.495



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm <sup>2</sup>	
		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

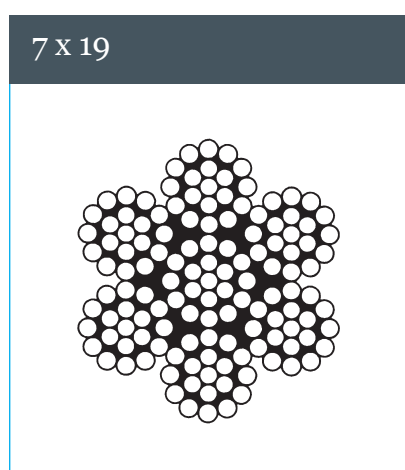
Minimum breaking force factor: 0.359  
Nominal rope length mass factor: 0.384



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm <sup>2</sup>	
		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

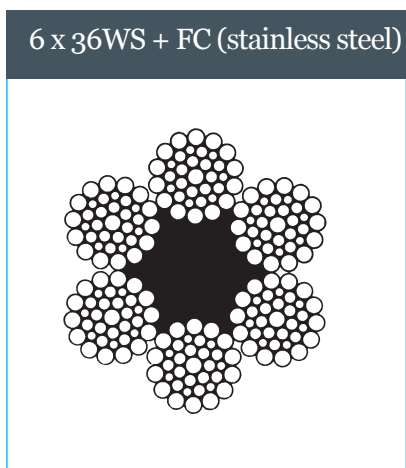
Minimum breaking force factor: 0.362  
Nominal rope length mass factor: 0.381



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm <sup>2</sup>	
		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



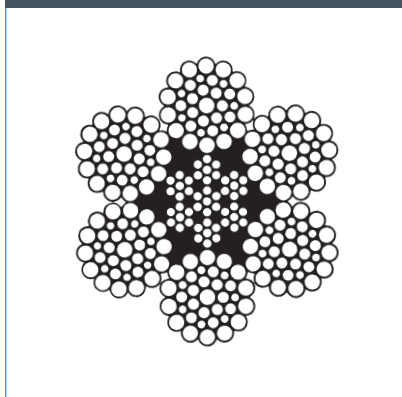
## 6 x 36WS + FC (stainless steel)



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm <sup>2</sup>	
		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)

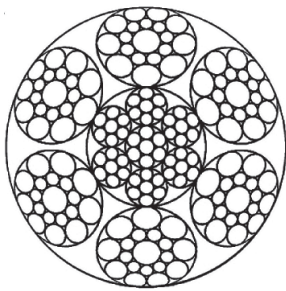
6 x 36WS + IWRC (stainless steel)



Nominal diameter	Weight 100 m	Minimum Breaking Load 1,570 N/mm <sup>2</sup>	
		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)

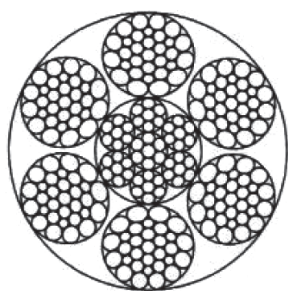
6 x 19 (forestry)



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

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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.

### Diepa

DIEPA special wire ropes are manufactured by German company Drahtseilwerk Dietz.

Its first patent covering ropes produced in double parallel lay was granted in 1936 and the branded name Diepa was born (Diepa is an acronym for Dietz Patent). Diepa's special wire ropes are known for their long service life and high rope safety.

### 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.

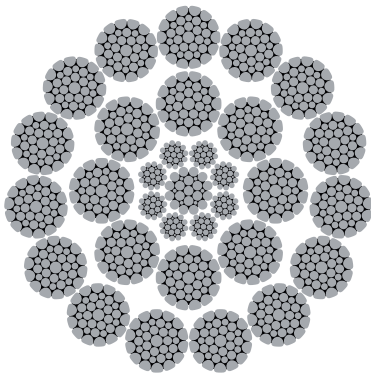
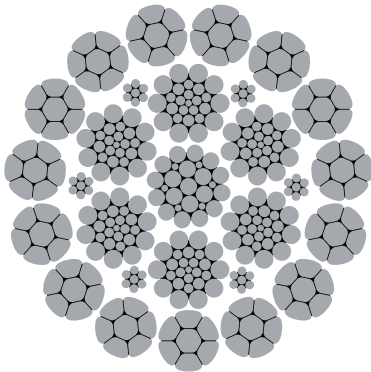
Kiswire has manufacturing facilities in Korea, Malaysia, China and the USA. Annually, about 130,000 tons of wire rope is delivered, worldwide. Meanwhile, it has acquired a reputable and leading position in a great variety of markets, offshore included.

### 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.

### 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.

**PRODUCT**

- DIEPA **B 50** Ordinary lay  
 DIEPA **B 53** Ordinary lay with internal plastic component  
 ▶ DIEPA **B 55** Lang lay  
 DIEPA **B 58** Lang lay with internal plastic component

**PROPERTIES**

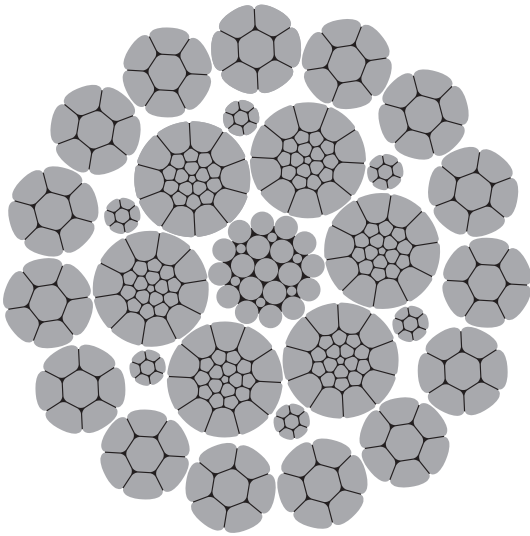
- Rotation resistant
- Compacted outer strands
- High breaking force

**TECHNICAL DATA**

Load-bearing wires	105 Ø 4 – 49 mm	RCN.23-2
in outer strands/	255 Ø 50 – 99 mm	RCN.27
RCN acc. to ISO 4309	540 Ø 100 – 120 mm	RCN.31
Total number	154 Ø 4 – 5 mm	
of wires	238 Ø 6 – 10 mm	
	328 Ø 11 – 49 mm	
	549 Ø 50 – 99 mm	
	1053 Ø 100 – 120 mm	
Fill factor	0.7145	
Spinning loss factor	0.8350 at 1770 N/mm <sup>2</sup>	
	0.8350 at 1960 N/mm <sup>2</sup>	
	0.8150 at 2160 N/mm <sup>2</sup>	

Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
48		1 118	1 906	194 300	428 300	2 117	215 850	475 800	2 273	231 750	510 900
49		1 165	1 986	202 450	446 300	2 207	224 950	495 900	2 370	241 550	532 500
50		1 214	2 068	210 800	464 700	2 298	234 250	516 400	2 467	251 500	554 400
	2	1 253	2 135	217 620	479 700	2 372	241 790	533 000	2 547	259 600	572 300
51		1 263	2 152	219 350	483 500	2 391	243 700	537 200	2 567	261 650	576 800
52		1 313	2 237	228 000	502 600	2 485	253 350	558 500	2 668	272 000	599 600
53		1 364	2 323	236 850	522 100	2 582	263 200	580 200	2 772	282 600	623 000
	2½	1 414	2 410	245 710	541 600	2 679	273 040	601 900	2 876	293 180	646 300
54		1 415	2 412	245 900	542 100	2 681	273 250	602 400	2 878	293 400	646 800
55		1 468	2 503	255 100	562 300	2 781	283 450	624 800	2 986	304 350	670 900
56		1 522	2 594	264 450	583 000	2 883	293 850	647 800	3 095	315 500	695 500
57		1 577	2 695	274 000	604 000	2 984	304 400	671 000	3 209	326 850	720 500
	2¾	1 585	2 702	275 430	607 200	3 002	306 010	674 600	3 223	328 570	724 300
58		1 633	2 790	283 650	625 300	3 090	315 250	695 000	3 324	338 450	746 100
59		1 690	2 887	293 550	647 100	3 197	326 150	719 000	3 438	350 200	772 000
60		1 747	2 986	303 600	669 300	3 307	337 300	743 600	3 557	362 150	798 300
	3	1 766	3 011	306 940	676 600	3 345	341 020	751 800	3 592	366 150	807 200
61		1 806	3 086	313 800	691 800	3 418	348 650	768 600	3 676	374 350	825 200
62		1 866	3 188	324 150	714 600	3 530	360 200	794 000	3 797	386 750	852 600
63		1 927	3 292	334 750	737 900	3 645	371 950	820 000	3 921	399 350	880 400
	2½	1 957	3 336	340 050	749 600	3 707	377 850	833 000	3 980	405 690	894 300
64		1 988	3 397	345 400	761 400	3 762	383 800	846 100	4 046	412 100	908 500
65		2 051	3 504	356 300	785 400	3 880	395 900	872 800	4 174	425 100	937 100
66		2 114	3 613	367 400	809 900	4 000	408 150	899 800	4 303	438 250	966 100
	2½	2 158	3 678	374 960	826 600	4 087	416 620	918 400	4 388	447 300	986 100
67		2 179	3 723	378 550	834 500	4 122	420 650	927 300	4 434	451 600	995 500
68		2 245	3 835	389 950	859 600	4 247	433 300	955 200	4 568	465 200	1 025 500
69		2 311	3 949	401 550	885 200	4 373	446 100	983 400	4 703	479 000	1 056 000
	2¾	2 368	4 037	411 480	907 100	4 485	457 180	1 007 800	4 815	490 840	1 082 100
70		2 379	4 064	413 250	911 000	4 500	459 150	1 012 200	4 840	492 950	1 086 700

Diameter mm    inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
		kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
71	2 447	4 181	425 100	937 100	4 630	472 400	1 041 400	On request		
72	2 516	4 299	437 200	963 800	4 761	485 800	1 070 900			
73	2 587	4 420	449 400	990 700	4 894	499 350	1 100 800			
2 7/8	2 589	4 423	449 770	991 500	4 898	499 740	1 101 700			
74	2 658	4 542	461 800	1 018 000	5 029	513 100	1 131 100			
75	2 730	4 665	474 400	1 045 800	5 166	527 100	1 162 000			
76	2 804	4 790	487 100	1 073 800	5 305	541 250	1 193 200			
3	2 819	4 816	489 730	1 079 600	5 333	544 140	1 199 600			
77	2 878	4 917	500 000	1 102 300	5 445	555 600	1 224 800			
78	2 953	5 046	513 100	1 131 100	5 588	570 100	1 256 800			
79	3 029	5 176	526 350	1 160 300	5 731	584 850	1 289 300			
3 1/8	3 058	5 225	531 390	1 171 500	5 786	590 430	1 301 600			
80	3 107	5 308	539 750	1 189 900	5 878	599 700	1 322 000			
81	3 185	5 442	553 350	1 219 900	6 025	614 850	1 355 400			
82	3 264	5 577	567 050	1 250 100	6 176	630 100	1 389 100			
3 1/4	3 308	5 652	574 750	1 267 000	6 258	638 610	1 407 800			
83	3 344	5 714	581 000	1 280 800	6 327	645 550	1 423 100			
84	3 425	5 852	595 100	1 311 900	6 480	661 200	1 457 600			
85	3 507	5 992	609 300	1 343 200	6 636	677 050	1 492 600			
3 3/8	3 567	6 095	619 820	1 366 400	6 749	688 680	1 518 200			
86	3 590	6 134	623 750	1 375 100	6 793	693 050	1 527 800			
87	3 674	6 278	638 350	1 407 300	6 951	709 250	1 563 600			
88	3 759	6 423	653 100	1 439 800	7 113	725 650	1 599 700			
3 1/2	3 836	6 555	666 580	1 469 500	7 258	740 640	1 632 800			
89	3 845	6 570	668 050	1 472 700	7 275	742 300	1 636 400			
90	3 932	6 718	683 150	1 506 000	7 439	759 050	1 673 400			
91	4 020	6 868	698 400	1 539 600	7 605	776 000	1 710 700			
92	4 109	7 020	713 850	1 573 700	7 773	793 150	1 748 500			
3 3/4	4 115	7 031	715 040	1 576 300	7 786	794 490	1 751 500			
93	4 198	7 173	729 450	1 608 100	7 943	810 500	1 786 800			
94	4 289	7 329	745 200	1 642 800	8 115	828 000	1 825 400			
95	4 381	7 485	761 150	1 678 000	8 289	845 750	1 864 500			
3 3/8	4 404	7 525	765 210	1 686 900	8 332	850 230	1 874 400			
96	4 474	7 644	777 300	1 713 600	8 464	863 600	1 903 800			
97	4 567	7 804	793 550	1 749 400	8 641	881 750	1 943 900			
98	4 662	7 965	810 000	1 785 700	8 820	900 000	1 984 100			
3 3/8	4 702	8 035	817 070	1 801 300	8 897	907 860	2 001 400			
99	4 758	8 129	826 650	1 822 400	9 001	918 500	2 024 900			
100	4 854	8 294	843 400	1 859 300	9 184	937 100	2 065 900			
101	4 952	8 460	860 350	1 896 700	9 369	955 900	2 107 300			
4	5 011	8 561	870 630	1 919 300	9 480	967 370	2 132 600			
102	5 050	8 629	877 500	1 934 500	9 555	974 950	2 149 300			
103	5 150	8 799	894 750	1 972 500	9 744	994 150	2 191 700			
104	5 250	8 970	912 200	2 011 000	9 933	1 013 600	2 234 500			
4 1/8	5 329	9 105	925 900	2 041 200	10 082	1 028 770	2 268 000			
105	5 352	9 144	929 850	2 049 900	10 125	1 033 150	2 277 600			
106	5 454	9 319	947 650	2 089 100	10 319	1 052 950	2 321 300			
107	5 557	9 496	965 600	2 128 700	10 515	1 072 900	2 365 300			
4 1/4	5 657	9 665	982 870	2 166 800	10 702	1 092 070	2 407 500			
108	5 662	9 673	983 750	2 168 700	10 712	1 093 050	2 409 700			
109	5 767	9 854	1 002 050	2 209 100	10 912	1 113 350	2 454 400			
110	5 873	10 036	1 020 500	2 249 700	11 113	1 133 900	2 499 700			
111	5 981	10 219	1 039 150	2 290 900	11 316	1 154 600	2 545 400			
4 3/8	5 994	10 242	1 041 530	2 296 100	11 341	1 157 250	2 551 200			
112	6 089	10 404	1 057 950	2 332 300	11 520	1 175 550	2 591 600			
113	6 198	10 590	1 076 950	2 374 200	11 727	1 196 600	2 638 000			
114	6 308	10 779	1 096 100	2 416 400	11 935	1 217 850	2 684 800			
4 1/2	6 342	10 835	1 101 890	2 429 200	11 999	1 224 330	2 699 100			
115	6 420	10 969	1 115 400	2 459 000	12 146	1 239 300	2 732 100			
116	6 532	11 160	1 134 850	2 501 800	12 358	1 261 000	2 780 000			
117	6 645	11 353	1 154 550	2 545 300	12 572	1 282 850	2 828 100			
4 5/8	6 699	11 446	1 163 960	2 566 000	12 674	1 293 290	2 851 100			
118	6 759	11 548	1 174 350	2 588 900	12 788	1 304 850	2 876 600			
119	6 874	11 745	1 194 350	2 633 000	13 006	1 327 050	2 925 600			
120	6 990	11 943	1 214 500	2 677 400	13 225	1 349 450	2 974 900			

**PRODUCT**

DIEPA <b>B60</b>	Ordinary lay
DIEPA <b>B63</b>	Ordinary lay with internal plastic component
▶ DIEPA <b>B65</b>	Lang lay
DIEPA <b>B68</b>	Lang lay with internal plastic component

**PROPERTIES**

- Rotation resistant
- Compacted outer strands
- Very high breaking force

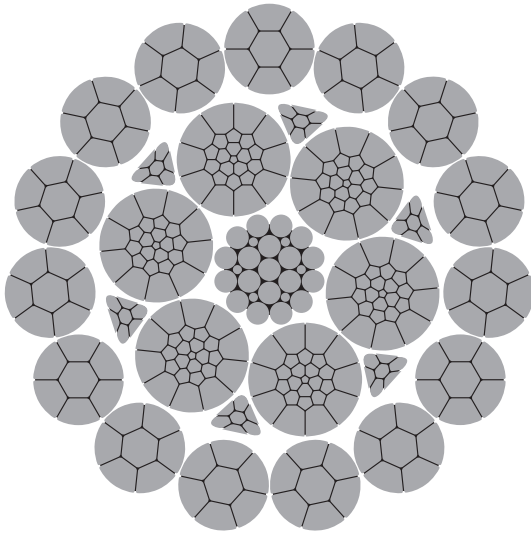
**TECHNICAL DATA**

Load-bearing wires	105 Ø 12–49 mm	RCN.23-2
in outer strands/ RCN acc. to ISO 4309	255 Ø 50–70 mm	RCN.27
Total number of wires	328 Ø 12–49 mm 549 Ø 50–70 mm	
Fill factor	0.7357	
Spinning loss factor	0.8450 at 1770 N/mm <sup>2</sup> 0.8450 at 1960 N/mm <sup>2</sup> 0.8250 at 2160 N/mm <sup>2</sup>	

Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
12		72	123	12 550	27 600	137	13 950	30 700	148	15 000	33 000
	½	80	139	14 170	31 200	154	15 740	34 700	166	16 900	37 200
13		85	147	14 900	32 800	162	16 550	36 400	175	17 750	39 100
14		98	169	17 200	37 900	188	19 100	42 100	202	20 500	45 100
	¼	102	176	17 890	39 400	195	19 890	43 800	209	21 340	47 000
15		112	194	19 650	43 300	215	21 900	48 200	232	23 500	51 800
	⅝	125	218	22 270	49 000	243	24 790	54 600	261	26 650	58 700
16		130	223	22 650	49 900	248	25 200	55 500	266	27 100	59 700
17		145	250	25 450	56 100	278	28 300	62 300	299	30 400	67 000
18		163	281	28 650	63 100	313	31 850	70 200	337	34 200	75 300
19		181	312	31 750	69 900	347	35 300	77 800	373	37 950	83 600
	¾	181	313	31 920	70 300	348	35 490	78 200	374	38 150	84 100
20		201	347	35 400	78 000	386	39 300	86 600	416	42 200	93 000
21		224	386	39 250	86 500	428	43 650	96 200	461	46 900	103 300
22		245	422	43 000	94 700	470	47 800	105 300	505	51 350	113 200
	⅞	247	430	43 870	96 700	478	48 760	107 400	514	52 370	115 400
23		267	460	46 850	103 200	512	52 050	114 700	550	55 900	123 200
24		290	500	50 950	112 300	556	56 600	124 700	598	60 800	134 000
25		309	532	54 250	119 500	592	60 250	132 800	637	64 800	142 800



Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	1	322	549	56 000	123 400	610	62 220	137 100	656	66 870	147 400
26		334	577	58 700	129 400	640	65 250	143 800	689	70 050	154 400
27		360	620	63 150	139 200	689	70 150	154 600	740	75 350	166 100
28		394	678	69 150	152 400	754	76 850	169 400	811	82 500	181 800
	1 1/8	407	702	71 530	157 600	780	79 520	175 300	837	85 340	188 100
29		417	719	73 300	161 500	800	81 500	179 600	860	87 450	192 700
30		446	770	78 450	172 900	856	87 200	192 200	919	93 550	206 200
31		474	818	83 350	183 700	909	92 600	204 100	977	99 450	219 200
	1 1/4	503	862	87 860	193 600	958	97 640	215 200	1 029	104 860	231 100
32		509	877	89 400	197 000	975	99 350	219 000	1 048	106 700	235 200
33		540	931	94 900	209 200	1 035	105 450	232 400	1 113	113 250	249 600
34		575	990	100 900	222 400	1 100	112 100	247 100	1 183	120 450	265 500
	1 3/8	609	1 049	106 930	235 700	1 166	118 830	261 900	1 252	127 650	281 400
35		612	1 054	107 400	236 700	1 171	119 350	263 100	1 258	128 200	282 600
36		647	1 115	113 650	250 500	1 240	126 300	278 400	1 332	135 650	299 000
37		684	1 178	120 050	264 600	1 309	133 400	294 000	1 406	143 300	315 900
38		721	1 243	126 650	279 200	1 381	140 700	310 100	1 483	151 100	333 100
	1 1/2	725	1 249	127 310	280 600	1 388	141 440	311 800	1 490	151 900	334 800
39		759	1 309	133 400	294 000	1 455	148 250	326 800	1 562	159 200	350 900
40		799	1 377	140 350	309 400	1 530	155 900	343 600	1 643	167 450	369 100
41		839	1 446	147 450	325 000	1 608	163 800	361 100	1 727	175 950	387 800
	1 5/8	850	1 466	149 460	329 400	1 629	166 040	366 000	1 750	178 350	393 100
42		880	1 518	154 700	341 000	1 687	171 900	378 900	1 812	184 600	406 900
43		923	1 591	162 150	357 400	1 769	180 200	397 200	1 899	193 500	426 500
44		966	1 666	169 800	374 300	1 851	188 650	415 800	1 989	202 650	446 700
	1 3/4	986	1 700	173 280	382 000	1 889	192 540	424 400	2 029	206 830	455 900
45		1 011	1 743	177 600	391 500	1 936	197 350	435 000	2 080	212 000	467 300
46		1 056	1 821	185 600	409 100	2 023	206 200	454 500	2 173	221 500	488 300
47		1 102	1 901	193 750	427 100	2 113	215 300	474 600	2 269	231 200	509 700
	1 7/8	1 132	1 952	198 990	438 600	2 169	221 100	487 400	2 329	237 440	523 400
48		1 149	1 983	202 100	445 500	2 203	224 550	495 000	2 366	241 150	531 600
49		1 198	2 067	210 600	464 200	2 296	234 000	515 800	2 466	251 300	554 000
50		1 248	2 152	219 300	483 400	2 391	243 650	537 100	2 567	261 650	576 800
	2	1 288	2 221	226 360	499 000	2 467	251 510	554 400	2 650	270 110	595 400
51		1 298	2 239	228 150	502 900	2 488	253 500	558 800	2 672	272 250	600 200
52		1 350	2 327	237 150	522 800	2 586	263 550	581 000	2 778	283 050	624 000
53		1 402	2 417	246 400	543 200	2 687	273 800	603 600	2 885	294 050	648 200
	2 1/8	1 454	2 507	255 560	563 400	2 786	284 030	626 100	2 992	305 020	672 400
54		1 455	2 510	255 750	563 800	2 788	284 250	626 600	2 995	305 250	672 900
55		1 509	2 603	265 400	585 100	2 893	294 900	650 100	3 107	316 700	698 100
56		1 565	2 699	275 100	606 400	2 999	305 700	673 900	3 221	328 300	723 700
57		1 621	2 803	285 000	628 300	3 105	316 700	698 100	3 340	340 100	749 700
	2 1/4	1 630	2 811	286 500	631 600	3 123	318 360	701 800	3 354	341 890	753 700
58		1 679	2 902	295 100	650 500	3 214	327 900	722 800	3 459	352 150	776 300
59		1 737	3 004	305 350	673 100	3 326	339 300	748 000	3 578	364 400	803 300
60		1 796	3 106	315 800	696 200	3 440	350 900	773 500	3 701	376 850	830 800
	2 3/8	1 814	3 132	319 290	703 900	3 480	354 770	782 100	3 738	381 010	839 900
61		1 857	3 211	326 450	719 600	3 555	362 700	799 600	3 825	389 550	858 800
62		1 918	3 317	337 200	743 300	3 673	374 700	826 000	3 951	402 400	887 100
63		1 981	3 424	348 200	767 600	3 792	386 900	852 900	4 080	415 550	916 100
	2 1/2	2 012	3 470	353 720	779 800	3 856	393 070	866 500	4 141	422 140	930 600
64		2 044	3 534	359 300	792 100	3 913	399 300	880 200	4 211	428 800	945 300
65		2 108	3 646	370 650	817 100	4 037	411 850	907 900	4 343	442 350	975 200
66		2 173	3 759	382 150	842 400	4 162	424 600	936 000	4 478	456 050	1 005 400
	2 5/8	2 218	3 826	390 050	859 900	4 252	433 410	955 400	4 566	465 470	1 026 100
67		2 240	3 873	393 800	868 100	4 289	437 600	964 700	4 615	469 950	1 036 000
68		2 308	3 990	405 650	894 200	4 418	450 750	993 700	4 754	484 100	1 067 200
69		2 376	4 108	417 700	920 800	4 549	464 100	1 023 100	4 894	498 450	1 098 800
	2 3/4	2 434	4 199	428 050	943 600	4 665	475 560	1 048 400	5 011	510 760	1 126 000
70		2 446	4 228	429 900	947 700	4 681	477 600	1 052 900	5 037	512 950	1 130 800

**PRODUCT**

DIEPA <b>B70</b>	Ordinary lay
DIEPA <b>B73</b>	Ordinary lay with internal plastic component
▶ DIEPA <b>B75</b>	Lang lay
DIEPA <b>B78</b>	Lang lay with internal plastic component

**PROPERTIES**

- Rotation resistant
- Compacted outer strands
- Extremely high breaking force

**TECHNICAL DATA**

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	105 Ø 12–38mm	RCN.23-2
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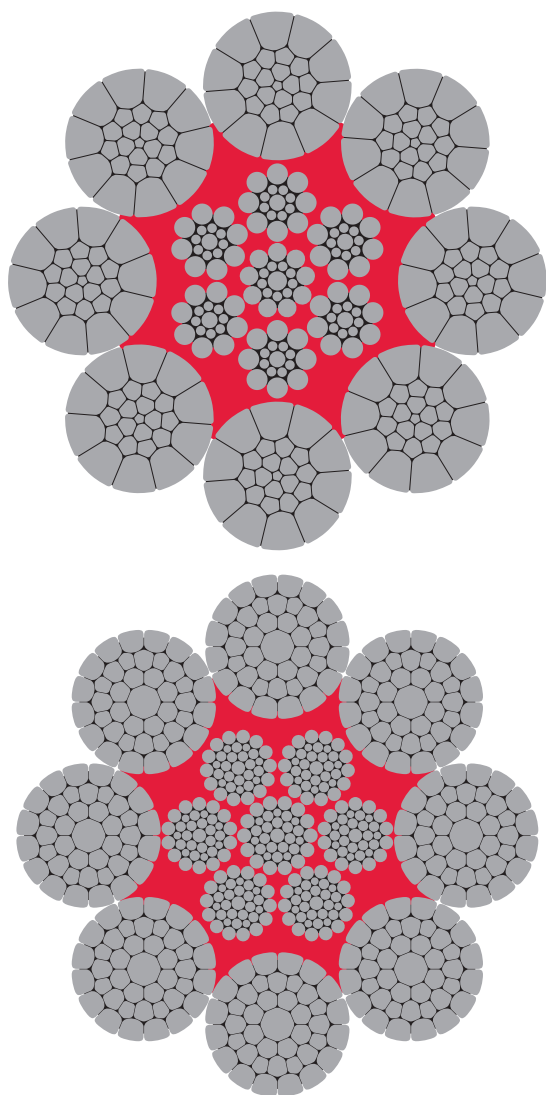
Total number of wires	328 Ø 12–38mm
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Fill factor	0.7550
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Spinning loss factor	0.8450
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Diameter mm    inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
		kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
12	74	129	13 200	29 100	144	14 650	32 200	156	15 750	34 700
1/2	82	146	14 880	32 800	162	16 530	36 400	175	17 750	39 100
13	87	155	15 650	34 500	170	17 400	38 300	184	18 650	41 100
14	100	178	18 050	39 700	198	20 050	44 200	213	21 550	47 500
5/16	104	185	18 830	41 500	205	20 930	46 100	220	22 480	49 500
15	115	204	20 650	45 500	226	23 000	50 700	244	24 700	54 400
3/8	128	228	23 240	51 200	254	25 830	56 900	272	27 750	61 100
16	133	235	23 800	52 400	261	26 500	58 400	280	28 500	62 800
17	148	263	26 750	58 900	292	29 750	65 500	315	31 950	70 400
18	167	296	30 100	66 300	329	33 500	73 800	355	35 950	79 200
19	185	328	33 400	73 600	365	37 100	81 700	392	39 900	87 900
3/4	185	329	33 480	73 800	365	37 200	82 000	392	39 960	88 100
20	206	365	37 200	82 000	406	41 300	91 000	438	44 350	97 700
21	229	406	41 250	90 900	450	45 900	101 100	485	49 300	108 600
22	250	444	45 200	99 600	494	50 250	110 700	531	54 000	119 000
7/8	252	449	45 580	100 400	497	50 640	111 600	534	54 390	119 900
23	274	484	49 250	108 500	539	54 750	120 700	579	58 800	129 600
24	297	526	53 550	118 000	585	59 500	131 100	629	63 950	140 900

Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
25		317	560	57 050	125 700	623	63 350	139 600	670	68 150	150 200
	1	329	586	59 540	131 200	649	66 160	145 800	697	71 050	156 600
26		342	607	61 750	136 100	673	68 600	151 200	725	73 650	162 300
27		368	652	66 400	146 300	725	73 750	162 500	778	79 250	174 700
28		403	713	72 700	160 200	793	80 800	178 100	853	86 750	191 200
	1 1/8	417	741	75 350	166 100	821	83 730	184 600	884	89 920	198 200
29		427	756	77 100	169 900	842	85 700	188 900	905	91 950	202 700
30		457	810	82 500	181 800	901	91 700	202 100	967	98 400	216 900
31		485	861	87 650	193 200	956	97 400	214 700	1 028	104 600	230 600
	1 1/4	514	915	93 030	205 000	1 013	103 380	227 900	1 090	111 020	244 700
32		521	923	94 000	207 200	1 026	104 500	230 300	1 102	112 200	247 300
33		552	979	99 800	220 000	1 089	110 900	244 400	1 171	119 100	262 500
34		588	1 041	106 100	233 900	1 157	117 900	259 900	1 245	126 700	279 300
	1 3/8	623	1 108	112 570	248 100	1 227	125 090	275 700	1 318	134 340	296 100
35		626	1 109	112 950	249 000	1 232	125 550	276 700	1 323	134 850	297 200
36		662	1 173	119 550	263 500	1 304	132 850	292 800	1 401	142 700	314 500
37		700	1 239	126 250	278 300	1 377	140 300	309 300	1 479	150 750	332 300
38		737	1 308	133 200	293 600	1 453	148 000	326 200	1 560	158 950	350 400
	1 1/2	742	1 318	133 980	295 300	1 459	148 860	328 100	1 571	159 880	352 400



**PRODUCT**

- DIEPA X50 Ordinary lay
- ▶ DIEPA X53 Ordinary lay with internal plastic component
- DIEPA X55 Lang lay
- DIEPA X58 Lang lay with internal plastic component

**PROPERTIES**

- Non-rotation resistant
- Compacted outer strands
- High breaking force
- Use without rope swivel

**TECHNICAL DATA**

Load-bearing wires	152	Ø 4 – 14 mm	RCN.04
in outer strands/	208	Ø 15 – 44 mm	RCN.09
RCN acc. to ISO 4309	288	Ø 45 – 69 mm	RCN.13
	328	Ø 70 – 100 mm	RCN.13
Total number	201	Ø 4 – 14 mm	
of wires	329	Ø 15 – 44 mm	
	409	Ø 45 – 69 mm	
	580	Ø 70 – 100 mm	
Fill factor	0.6750		
Spinning loss factor	0.8500	at 1770 N/mm <sup>2</sup>	
	0.8500	at 1960 N/mm <sup>2</sup>	
	0.8400	at 2160 N/mm <sup>2</sup>	

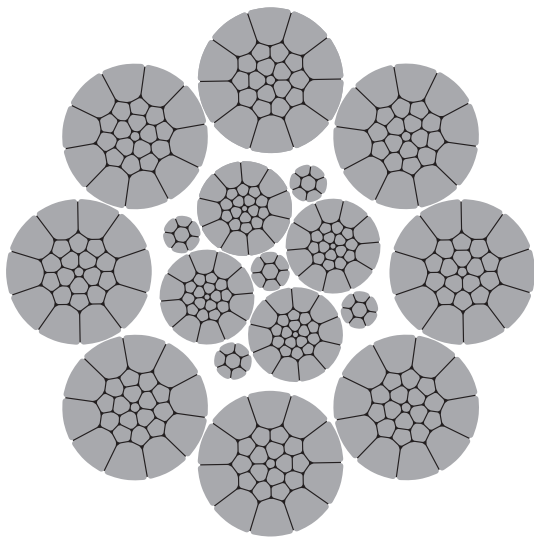
Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
4		8	12.8	1 250	2 700	14.1	1 400	3 000	15.4	1 550	3 400
	3/16	11	18.1	1 830	4 000	20.0	2 040	4 400	21.8	2 210	4 800
5		12	19.9	1 950	4 200	22.1	2 250	4 900	24.0	2 400	5 200
6		17	28.7	2 850	6 200	31.8	3 200	7 000	34.6	3 450	7 600
	1/4	19	32.2	3 260	7 100	35.6	3 620	7 900	38.8	3 940	8 600
6.5		20	33.7	3 400	7 400	37.3	3 750	8 200	40.6	4 100	9 000
7		23	39.1	3 950	8 700	43.3	4 350	9 500	47.1	4 750	10 400
7.5		27	44.9	4 500	9 900	49.7	5 050	11 100	54.1	5 500	12 100
	5/16	30	50.3	5 100	11 200	55.6	5 670	12 500	60.6	6 160	13 500
8		30	51.0	5 150	11 300	56.5	5 700	12 500	61.6	6 250	13 700
8.5		34	57.6	5 800	12 700	63.8	6 500	14 300	69.5	7 050	15 500
9		38	64.6	6 500	14 300	71.5	7 250	15 900	77.9	7 850	17 300
9.5		43	72.0	7 300	16 000	79.7	8 100	17 800	86.5	8 800	19 400
	3/8	43	72.4	7 350	16 200	80.1	8 160	17 900	87.3	8 880	19 500
10		47	79.8	8 050	17 700	88.4	9 000	19 800	96.6	9 750	21 400
11		57	96.9	9 750	21 400	107	10 850	23 900	117	11 800	26 000
	7/16	58	98.5	10 010	22 000	109	11 120	24 500	119	12 090	26 600
12		68	115	11 600	25 500	128	12 950	28 500	139	14 050	30 900



Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	1/2	76	129	13 080	28 800	142	14 530	32 000	155	15 800	34 800
13		80	135	13 650	30 000	150	15 200	33 500	163	16 500	36 300
14		92	156	15 850	34 900	173	17 600	38 800	188	19 150	42 200
	5/16	96	163	16 540	36 400	180	18 390	40 500	196	19 990	44 000
15		106	179	18 200	40 100	199	20 250	44 600	217	22 000	48 500
	3/8	119	201	20 430	45 000	223	22 710	50 000	242	24 680	54 400
16		121	204	20 700	45 600	226	23 000	50 700	246	25 050	55 200
17		136	230	23 400	51 500	255	26 000	57 300	278	28 300	62 300
18		153	258	26 250	57 800	286	29 150	64 200	312	31 700	69 800
19		170	288	29 200	64 300	319	32 500	71 600	347	35 350	77 900
	7/16	171	289	29 430	64 800	321	32 690	72 000	349	35 540	78 300
20		189	319	32 400	71 400	354	36 000	79 300	385	39 150	86 300
21		208	352	35 700	78 700	389	39 700	87 500	424	43 150	95 100
22		228	386	39 200	86 400	428	43 600	96 100	465	47 350	104 300
	1/2	233	394	40 060	88 300	436	44 510	98 100	475	48 390	106 600
23		250	422	42 850	94 400	468	47 600	104 900	509	51 750	114 000
24		272	459	46 700	102 900	509	51 850	114 300	554	56 400	124 300
25		295	498	50 650	111 600	552	56 300	124 100	601	61 150	134 800
	1	304	515	52 320	115 300	570	58 140	128 100	621	63 200	139 300
26		319	539	54 800	120 800	597	60 900	134 200	650	66 150	145 800
27		344	581	59 100	130 200	643	65 650	144 700	701	71 400	157 400
28		370	626	63 550	140 100	693	70 600	155 600	754	76 750	169 200
	1 1/8	385	651	66 220	145 900	721	73 580	162 200	785	79 990	176 300
29		397	671	68 200	150 300	743	75 750	166 900	809	82 350	181 500
30		425	718	72 950	160 800	795	81 050	178 600	866	88 150	194 300
31		457	772	78 450	172 900	855	87 200	192 200	932	94 800	208 900
	1 1/4	476	804	81 760	180 200	890	90 840	200 200	970	98 750	217 700
32		487	823	83 600	184 300	911	92 900	204 800	992	101 050	222 700
33		518	875	88 950	196 000	969	98 850	217 900	1 055	107 450	236 800
34		549	929	94 450	208 200	1 030	104 950	231 300	1 121	114 100	251 500
	1 3/8	576	973	98 930	218 100	1 077	109 920	242 300	1 173	119 490	263 400
35		582	984	100 050	220 500	1 090	111 150	245 000	1 187	120 850	266 400
36		616	1 041	105 850	233 300	1 153	117 600	259 200	1 256	127 850	281 800
37		651	1 100	111 950	246 800	1 221	124 400	274 200	1 328	135 250	298 100
38		686	1 168	119 050	262 400	1 298	132 300	291 600	1 413	143 850	317 100
	1 1/2	688	1 173	119 560	263 500	1 303	132 860	292 900	1 417	144 460	318 400
39		723	1 222	124 250	273 900	1 353	138 050	304 300	1 474	150 100	330 900
40		761	1 285	130 700	288 100	1 424	145 250	320 200	1 551	157 850	347 900
41		799	1 351	137 300	302 600	1 496	152 600	336 400	1 629	165 900	365 700
	1 5/8	804	1 359	138 180	304 600	1 505	153 530	338 400	1 639	166 890	367 900
42		838	1 418	144 350	318 200	1 574	160 400	353 600	1 713	174 350	384 300
43		879	1 486	151 000	332 800	1 645	167 800	369 900	1 792	182 400	402 100
44		920	1 556	158 150	348 600	1 723	175 700	387 300	1 876	191 050	421 100
	1 3/4	932	1 576	160 250	353 200	1 745	178 060	392 500	1 901	193 560	426 700
45		955	1 615	164 200	361 900	1 788	182 450	402 200	1 948	198 350	437 200
46		1 006	1 700	172 850	381 000	1 883	192 100	423 500	2 050	208 800	460 300
47		1 042	1 762	179 100	394 800	1 951	199 050	438 800	2 125	216 350	476 900
	1 7/8	1 070	1 809	183 960	405 500	2 003	204 400	450 600	2 182	222 200	489 800
48		1 095	1 851	188 200	414 900	2 050	209 150	461 000	2 233	227 350	501 200
49		1 133	1 915	194 700	429 200	2 121	216 350	476 900	2 309	235 200	518 500
50		1 188	2 009	204 250	450 200	2 224	226 950	500 300	2 423	246 700	543 800
	2	1 218	2 058	209 320	461 400	2 279	232 570	512 700	2 482	252 820	557 300
51		1 227	2 075	210 950	465 000	2 298	234 350	516 600	2 502	254 800	561 700
52		1 285	2 173	220 900	486 900	2 406	245 450	541 100	2 620	266 850	588 200
53		1 325	2 241	227 800	502 200	2 481	253 100	557 900	2 702	275 150	606 500
	2 1/8	1 375	2 324	236 300	520 900	2 573	262 550	578 800	2 802	285 410	629 200
54		1 386	2 343	238 250	525 200	2 594	264 700	583 500	2 826	287 750	634 300
55		1 427	2 413	245 350	540 800	2 672	272 550	600 800	2 910	296 350	653 300
56		1 491	2 519	256 200	564 800	2 791	284 700	627 600	3 039	309 450	682 200
57		1 533	2 592	263 500	580 900	2 870	292 750	645 300	3 125	318 250	701 600



Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	2¼	1 541	2 605	264 910	584 000	2 885	294 350	648 900	3 142	319 980	705 400
58		1 599	2 703	274 800	605 800	2 993	305 400	673 200	3 260	332 000	731 900
59		1 642	2 776	282 300	622 300	3 074	313 650	691 400	3 348	340 950	751 600
60		1 711	2 893	294 100	648 300	3 203	326 800	720 400	3 489	355 250	783 100
	2½	1 717	2 903	295 170	650 700	3 214	327 970	723 000	3 500	356 520	785 900
61		1 756	2 968	301 750	665 200	3 286	335 300	739 200	3 579	364 500	803 500
62		1 827	3 089	314 050	692 300	3 420	348 950	769 200	3 725	379 350	836 300
63		1 873	3 165	321 850	709 500	3 505	357 650	788 400	3 818	388 800	857 100
	2½	1 903	3 216	327 060	721 000	3 561	363 400	801 100	3 879	395 030	870 800
64		1 947	3 291	334 650	737 700	3 645	371 850	819 700	3 969	404 250	891 200
65		1 993	3 370	342 650	755 400	3 732	380 750	839 400	4 064	413 900	912 400
66		2 071	3 500	355 900	784 600	3 876	395 450	871 800	4 221	429 900	947 700
	2¾	2 098	3 546	360 580	794 900	3 926	400 640	883 200	4 276	435 530	960 100
67		2 118	3 580	364 050	802 500	3 964	404 550	891 800	4 318	439 750	969 400
68		2 198	3 715	377 800	832 800	4 114	419 800	925 400	4 481	456 350	1 006 000
69		2 246	3 798	386 150	851 300	4 205	429 050	945 800	4 580	466 400	1 028 200
	2¾	2 302	3 892	395 740	872 400	4 309	439 710	969 300	4 693	477 990	1 053 700
70		2 329	3 937	400 350	882 600	4 360	444 800	980 600	4 749	483 550	1 066 000
71		2 378	4 021	408 850	901 300	4 452	454 250	1 001 400	4 849	493 800	1 088 600
72		2 446	4 134	420 450	926 900	4 579	467 200	1 029 900	4 986	507 850	1 119 600
73		2 514	4 251	432 200	952 800	4 706	480 250	1 058 700	5 126	522 050	1 150 900
	2¾	2 516	4 253	432 530	953 500	4 710	480 590	1 059 500	5 129	522 430	1 151 700
74		2 584	4 367	444 150	979 100	4 837	493 500	1 087 900	5 268	536 450	1 182 600
75		2 654	4 486	456 200	1 005 700	4 968	506 900	1 117 500	5 410	551 050	1 214 800
76		2 725	4 607	468 450	1 032 700	5 102	520 500	1 147 400			
	3	2 740	4 631	470 960	1 038 200	5 128	523 300	1 153 600	On request		
77		2 797	4 729	480 850	1 060 000	5 237	534 300	1 177 900			
78		2 871	4 853	493 450	1 087 800	5 374	548 250	1 208 600			
79		2 945	4 978	506 200	1 115 900	5 512	562 400	1 239 800			
	3¼	2 973	5 025	511 030	1 126 600	5 565	567 810	1 251 700			
80		3 020	5 104	519 050	1 144 200	5 653	576 750	1 271 500			
81		3 096	5 233	532 100	1 173 000	5 794	591 300	1 303 500			
82		3 173	5 364	545 350	1 202 200	5 939	605 950	1 335 800			
	3¼	3 215	5 435	552 730	1 218 500	6 019	614 150	1 353 900			
83		3 250	5 494	558 700	1 231 700	6 084	620 800	1 368 600			
84		3 329	5 628	572 300	1 261 600	6 232	635 850	1 401 700			
85		3 409	5 763	586 000	1 291 800	6 381	651 100	1 435 400			
	3¾	3 467	5 861	596 070	1 314 000	6 491	662 300	1 460 100			
86		3 490	5 899	599 850	1 322 400	6 532	666 500	1 469 300			
87		3 571	6 037	613 900	1 353 400	6 685	682 100	1 503 700			
88		3 654	6 177	628 100	1 384 700	6 840	697 850	1 538 400			
	3½	3 729	6 304	641 040	1 413 200	6 980	712 260	1 570 200			
89		3 737	6 318	642 450	1 416 300	6 996	713 850	1 573 700			
90		3 822	6 461	657 000	1 448 400	7 154	729 950	1 609 200			
91		3 907	6 605	671 650	1 480 700	7 314	746 300	1 645 200			
92		3 994	6 751	686 500	1 513 400	7 476	762 750	1 681 500			
	3¾	4 000	6 762	687 650	1 515 900	7 488	764 050	1 684 400			
93		4 081	6 899	701 500	1 546 500	7 639	779 450	1 718 300			
94		4 169	7 047	716 650	1 579 900	7 804	796 300	1 755 500			
95		4 258	7 199	732 000	1 613 700	7 971	813 350	1 793 100			
	3¾	4 281	7 236	735 880	1 622 300	8 013	817 650	1 802 500			
96		4 348	7 351	747 450	1 647 800	8 140	830 550	1 831 000			
97		4 439	7 505	763 150	1 682 400	8 310	847 950	1 869 300			
98		4 531	7 660	778 950	1 717 200	8 482	865 550	1 908 100			
	3¾	4 571	7 727	785 760	1 732 200	8 556	873 070	1 924 700			
99		4 624	7 817	794 950	1 752 500	8 656	883 250	1 947 200			
100		4 718	7 976	811 100	1 788 100	8 832	901 200	1 986 700			

**PRODUCT**

- ▶ **DIEPA H40** Ordinary lay
- DIEPA H43** Ordinary lay with internal plastic component

**PROPERTIES**

- Non-rotation resistant
- Compacted
- Very high breaking force
- Use without rope swivel

**TECHNICAL DATA**

Load-bearing wires	56 Ø 4–6 mm	RCN.02
in outer strands/	152 Ø 7–15 mm	RCN.04
RCN acc. to ISO 4309	208 Ø 16–44 mm	RCN.09
	288 Ø 45–64 mm	RCN.13
	328 Ø 65–76 mm	RCN.13

Total number of wires	95 Ø 4–6 mm
	263 Ø 7–15 mm
	319 Ø 16–24 mm
	347 Ø 25–44 mm
	427 Ø 45–64 mm
	487 Ø 65–76 mm

Fill factor	0.7403
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Spinning loss factor	0.8400
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Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
4		8	13.8	1 350	2 900	15.3	1 550	3 400	16.9	1 650	3 600
	3/16	11	19.0	1 940	4 200	21.3	2 170	4 700	23.1	2 350	5 100
5		13	21.6	2 150	4 700	23.9	2 400	5 200	26.4	2 600	5 700
6		18	31.1	3 150	6 900	34.5	3 450	7 600	38.0	3 850	8 400
	1/4	20	34.2	3 490	7 600	38.2	3 890	8 500	42.1	4 290	9 400
6.5		21	36.5	3 650	8 000	40.4	4 100	9 000	44.6	4 500	9 900
7		25	42.4	4 250	9 300	46.9	4 700	10 300	51.7	5 250	11 500
7.5		28	48.6	4 900	10 800	53.8	5 450	12 000	59.3	6 000	13 200
	5/16	32	53.6	5 460	12 000	59.8	6 100	13 400	65.7	6 700	14 700
8		32	55.3	5 550	12 200	61.3	6 200	13 600	67.5	6 800	14 900
8.5		36	62.5	6 300	13 800	69.2	7 050	15 500	76.2	7 700	16 900
9		40	70.0	7 050	15 500	77.5	7 850	17 300	85.7	8 650	19 000
9.5		45	78.0	7 850	17 300	86.5	8 750	19 200	94.9	9 650	21 200
	3/8	45	78.0	7 900	17 400	86.5	8 800	19 400	95.3	9 710	21 400
10		49	86.5	8 750	19 200	95.8	9 700	21 300	106	10 700	23 500
11		60	105	10 600	23 300	116	11 800	26 000	128	12 950	28 500
	7/16	62	106	10 790	23 700	118	12 010	26 400	129	13 180	29 000
12		71	123	12 450	27 400	136	13 850	30 500	150	15 200	33 500



Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	1/2	81	136	13 900	30 600	152	15 470	34 100	167	16 990	37 400
13		83	143	14 550	32 000	159	16 200	35 700	175	17 800	39 200
14		98	168	17 100	37 600	187	19 050	41 900	206	20 950	46 100
	3/8	102	174	17 750	39 100	194	19 750	43 500	213	21 720	47 800
15		111	191	19 400	42 700	212	21 550	47 500	233	23 700	52 200
	5/8	126	217	22 110	48 700	241	24 530	54 000	265	27 030	59 500
16		128	221	22 500	49 600	245	24 950	55 000	270	27 500	60 600
17		144	248	25 200	55 500	275	28 000	61 700	302	30 800	67 900
18		163	281	28 550	62 900	311	31 700	69 800	343	34 900	76 900
19		179	308	31 400	69 200	343	34 900	76 900	377	38 400	84 600
	3/4	181	310	31 580	69 600	344	35 100	77 300	379	38 610	85 100
20		200	344	35 100	77 300	383	39 000	85 900	421	42 850	94 400
21		225	387	39 450	86 900	430	43 800	96 500	474	48 250	106 300
22		245	422	43 000	94 700	469	47 750	105 200	516	52 500	115 700
	7/8	247	430	43 790	96 500	477	48 640	107 200	525	53 490	117 900
23		265	456	46 500	102 500	507	51 700	113 900	559	56 900	125 400
24		287	496	50 500	111 300	550	56 100	123 600	606	61 700	136 000
25		310	534	54 450	120 000	593	60 450	133 200	653	66 550	146 700
	1	323	550	56 050	123 500	611	62 240	137 200	672	68 500	151 000
26		333	574	58 500	128 900	638	65 000	143 200	701	71 500	157 600
27		362	624	63 600	140 200	694	70 650	155 700	763	77 750	171 400
28		390	672	68 500	151 000	747	76 100	167 700	822	83 700	184 500
	1 1/8	408	708	72 150	159 000	787	80 180	176 700	865	88 210	194 400
29		426	735	74 850	165 000	816	83 200	183 400	898	91 550	201 800
30		449	774	78 900	173 900	860	87 650	193 200	946	96 400	212 500
31		482	832	84 750	186 800	925	94 200	207 600	1 017	103 650	228 500
	1 1/4	504	868	88 520	195 100	965	98 380	216 800	1 062	108 240	238 600
32		511	881	89 800	197 900	979	99 800	220 000	1 078	109 800	242 000
33		545	940	95 800	211 200	1 045	106 500	234 700	1 149	117 100	258 100
34		582	1 004	102 350	225 600	1 116	113 700	250 600	1 227	125 050	275 600
	1 3/8	610	1 047	106 710	235 200	1 163	118 530	261 300	1 280	130 430	287 500
35		609	1 050	107 050	236 000	1 167	118 900	262 100	1 284	130 850	288 400
36		650	1 121	114 300	251 900	1 246	127 000	279 900	1 371	139 700	307 900
37		693	1 194	121 750	268 400	1 327	135 250	298 100	1 460	148 800	328 000
38		738	1 273	129 750	286 000	1 415	144 150	317 700	1 556	158 550	349 500
	1 1/2	726	1 278	130 240	287 100	1 420	144 700	319 000	1 561	159 150	350 800
39		767	1 322	134 750	297 000	1 469	149 750	330 100	1 616	164 700	363 000
40		797	1 374	140 100	308 800	1 527	155 650	343 100	1 680	171 200	377 400
41		841	1 453	147 750	325 700	1 609	164 150	361 800	1 773	180 600	398 100
	1 5/8	852	1 474	150 280	331 300	1 638	166 980	368 100	1 802	183 700	404 900
42		893	1 540	156 900	345 900	1 711	174 350	384 300	1 882	191 800	422 800
43		925	1 599	162 500	358 200	1 770	180 600	398 100	1 950	198 650	437 900
44		974	1 680	171 200	377 400	1 866	190 250	419 400	2 053	209 250	461 300
	1 3/4	988	1 709	174 210	384 000	1 899	193 600	426 800	2 089	212 960	469 400
45		1 013	1 751	177 950	392 300	1 939	197 750	435 900	2 136	217 550	479 600
46		1 063	1 832	186 750	411 700	2 036	207 500	457 400	2 239	228 300	503 300
47		1 105	1 909	194 150	428 000	2 114	215 750	475 600	2 330	237 300	523 100
	1 7/8	1 134	1 956	199 350	439 400	2 173	221 520	488 300	2 390	243 660	537 100
48		1 152	1 987	202 450	446 300	2 207	224 950	495 900	2 428	247 450	545 500
49		1 201	2 076	211 050	465 200	2 298	234 500	516 900	2 533	257 950	568 600
50		1 246	2 150	219 100	483 000	2 388	243 450	536 700	2 628	267 800	590 300
	2	1 290	2 224	226 680	499 700	2 471	251 910	555 300	2 718	277 100	610 800
51		1 301	2 249	228 600	503 900	2 490	254 050	560 000	2 744	279 450	616 000
52		1 340	2 312	235 600	519 400	2 568	261 750	577 000	2 825	287 950	634 800
53		1 405	2 428	246 900	544 300	2 689	274 300	604 700	2 964	301 800	665 300
	2 1/8	1 457	2 489	253 700	559 300	2 766	281 940	621 500	3 042	310 120	683 600
54		1 444	2 491	253 850	559 600	2 768	282 100	621 900	3 044	310 300	684 000
55		1 513	2 615	265 900	586 200	2 895	295 450	651 300	3 191	324 950	716 300
56		1 581	2 727	277 950	612 700	3 030	308 800	680 700	3 333	339 700	748 900
57		1 625	2 809	285 600	629 600	3 111	317 350	699 600	3 427	349 050	769 500



Diameter mm	inch	Weight kg/100m	Min. breaking force 1770 N/mm <sup>2</sup>			Min. breaking force 1960 N/mm <sup>2</sup>			Min. breaking force 2160 N/mm <sup>2</sup>		
			kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	2¼	1 633	2 816	287 050	632 800	3 129	318 970	703 200	3 442	350 830	773 400
58		1 681	2 898	295 400	651 200	3 221	328 250	723 600	3 542	361 050	795 900
59		1 741	3 009	306 000	674 600	3 332	339 950	749 400	3 672	374 000	824 500
60		1 770	3 053	311 100	685 800	3 391	345 700	762 100	3 730	380 250	838 200
	2½	1 820	3 146	319 920	705 200	3 484	355 460	783 600	3 839	391 010	862 000
61		1 861	3 216	327 050	721 000	3 562	363 450	801 200	3 925	399 750	881 200
62		1 922	3 323	337 900	744 900	3 680	375 450	827 700	4 056	413 000	910 400
63		1 985	3 431	348 850	769 000	3 799	387 650	854 600	4 187	426 400	940 000
	2½	2 016	3 486	354 480	781 400	3 860	393 860	868 300	4 254	433 250	955 100
64		2 048	3 541	360 050	793 700	3 921	400 050	881 900	4 321	440 050	970 100
65		2 113	3 652	371 400	818 700	4 045	412 650	909 700	4 457	453 900	1 000 600
66		2 178	3 766	382 900	844 100	4 170	425 450	937 900	4 596	468 000	1 031 700
	2¾	2 223	3 843	390 810	861 500	4 256	434 230	957 300	4 690	477 660	1 053 000
67		2 245	3 881	394 600	869 900	4 297	438 450	966 600	4 736	482 300	1 063 200
68		2 312	3 998	406 450	896 000	4 427	451 650	995 700	4 878	496 800	1 095 200
69		2 381	4 116	418 500	922 600	4 558	465 000	1 025 100	5 022	511 550	1 127 700
	2¾	2 440	4 218	428 920	945 500	4 671	476 580	1 050 600	5 147	524 230	1 155 700
70		2 450	4 236	430 750	949 600	4 691	478 600	1 055 100	5 169	526 450	1 160 600
71		2 521	4 358	443 100	976 800	4 826	492 350	1 085 400	5 318	541 600	1 194 000
72		2 592	4 481	455 700	1 004 600	4 963	506 350	1 116 200	5 469	557 000	1 227 900
73		2 665	4 607	468 450	1 032 700	5 101	520 500	1 147 400	5 622	572 550	1 262 200
	2¾	2 666	4 610	468 800	1 033 500	5 105	520 890	1 148 300	5 626	572 980	1 263 100
74		2 738	4 734	481 400	1 061 200	5 242	534 850	1 179 100	5 777	588 350	1 297 000
75		2 813	4 863	494 450	1 090 000	5 384	549 400	1 211 200	5 934	604 350	1 332 300
76		2 888	4 993	507 750	1 119 300	5 529	564 150	1 243 700	6 093	620 550	1 368 000
	3	2 903	5 020	510 450	1 125 300	5 558	567 160	1 250 300	6 126	623 890	1 375 400



# 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.

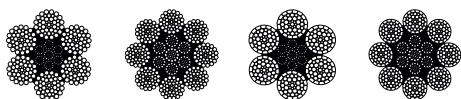
**• Best quality of component wire rope and excellent life time**

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.

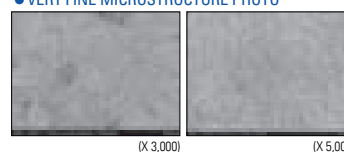
**• High structural stability**

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	Approximate Weight 8 × ROPE	Offshore Powerflex 6, Powerflex 8 (Metric Ton)					Approximate Weight 6 × ROPE	Approximate Weight 8 × ROPE
mm	inch	EIPS	EEIPS	Z GRADE	ZZ GRADE	ZZZ GRADE	Kg/m	Kg/m	EIPS	EEIPS	Z GRADE	ZZ GRADE	ZZZ GRADE	Kg/m	Kg/m
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	-	-	-	-	-	-	-