

Stainless Steel Wire Rope

C o m p a n y

Rope Connect
You And Me

B r o c h u r e

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江苏宏泰不锈钢钢丝绳有限公司成立于1994年，经过多年的创业，已成为国内不锈钢钢丝绳专业生产商，目前产品85%销往全球各地，与世界各不锈钢钢丝绳经销商和用户建立了紧密的合作关系。我们的所有不锈钢钢丝绳生产活动，从原材料冶炼、拉丝、热处理、捻绳到理化性能测试等，均按ISO9001:2000 质量管理体系进行严格而科学的控制。

公司密切注意国际、国内市场需求，以积极探索、敢为人先的企业精神和良好的信誉服务，主动出击国际市场、产品远销欧美等国。具有中华人民共和国对外贸易部颁发的《中华人民共和国进出口企业资格证书》，拥有自营进出口权。

我们将继续致力于质量改进和技术革新，与海内外客户携手合作，目标成为国内不锈钢钢丝绳龙头企业。

Jiangsu Hongtai/Hongze Stainless Steel Wire Rope Co., Ltd was established in 1994 and now it is a leading stainless steel wire rope specialist in China and entered into close cooperation with global main distributors and users. We always attach top importance to quality with the evidence that all the processing activities from raw material refining, wire drawing, rope twisting to chemical composition analysis and physical performance testing, are under strict and scientific control in conformity with ISO9001:2000 standard.

We pay close attention to abroad and domestic market demands. With the spirit of actively explore, brave behavior ahead of other people, good prestige and services, our products are sold to US, Canadian, European and South American countries and others districts in the world . We have Qualification Certificate for Import & Export Enterprise issued by the Ministry of Foreign Trade and Economic Cooperation of P.R. China.

We will continue to commit ourselves to quality improvement and technical innovation as the leading stainless steel wire rope producer in China.

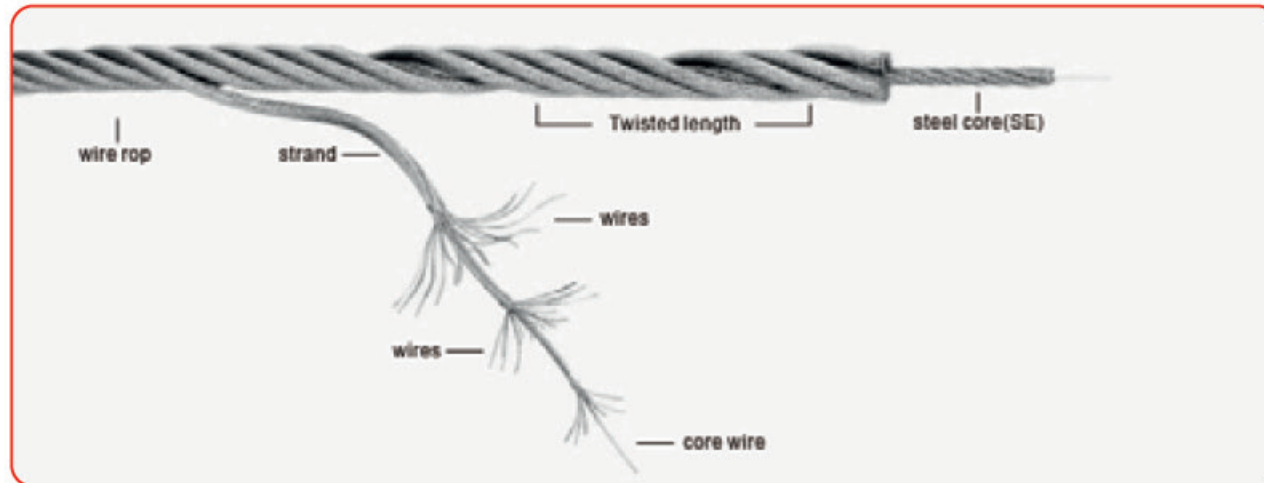


COMPANY
FACTORY



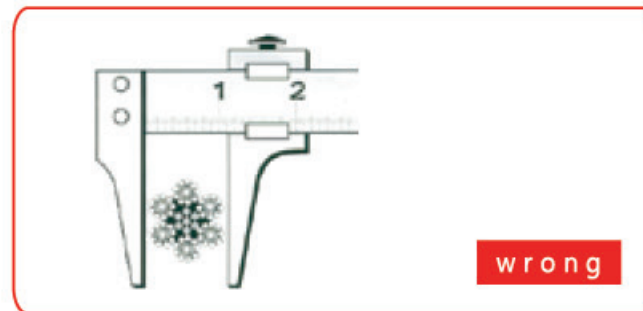
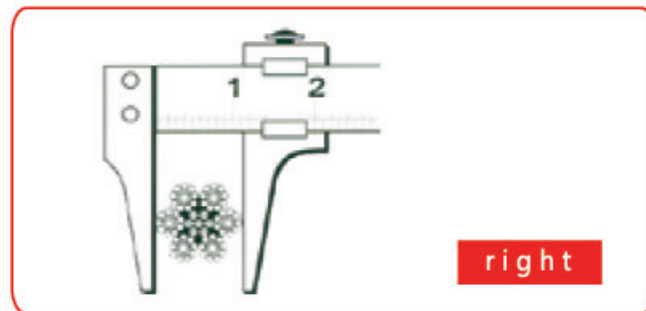
The Definition of The Wire Rope

The wire rope is made up of wrapping at least 4 strands around a core which is made ppc, steel or fiber. Every strands and steels wrapped like helix in different construction.



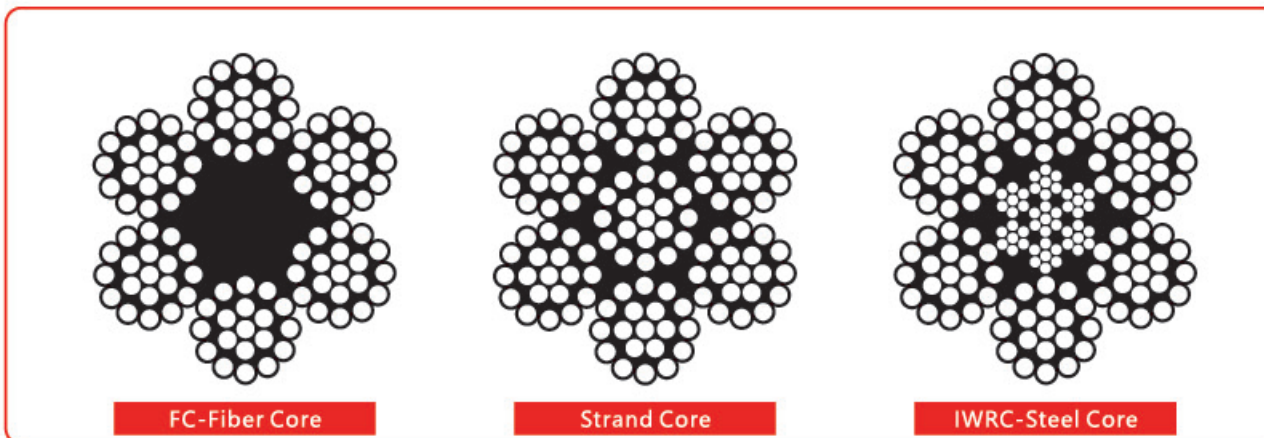
Measurement of the Diameter of Steel Wire Rope

The diameter of the steel wire rope encircles the outer wires and strands including the cross section. The measuring device must touch extreme outer wires of two strands.



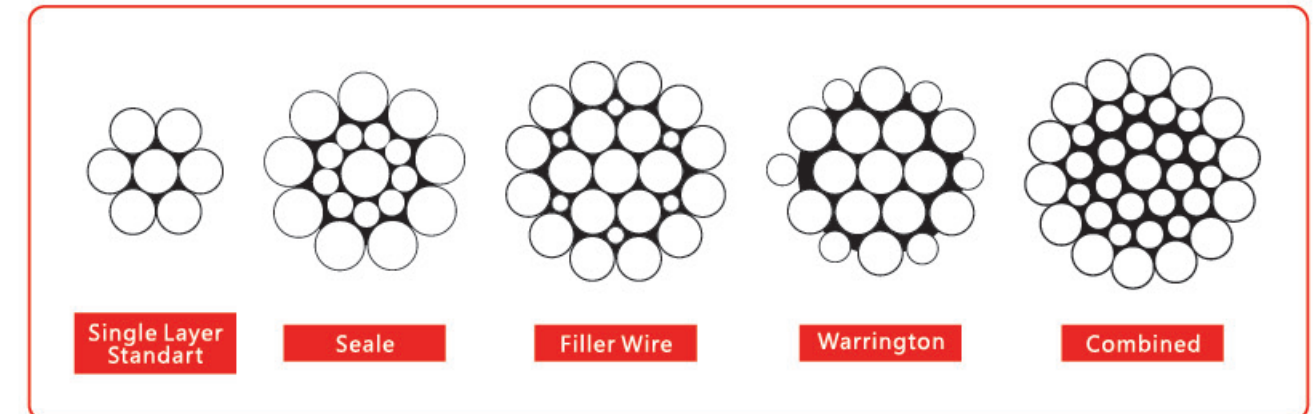
Wire Rope core

Wire rope core are divided into 3 different groups; fiber core (FC), strand core (IWSC) and steel core (IWRC).

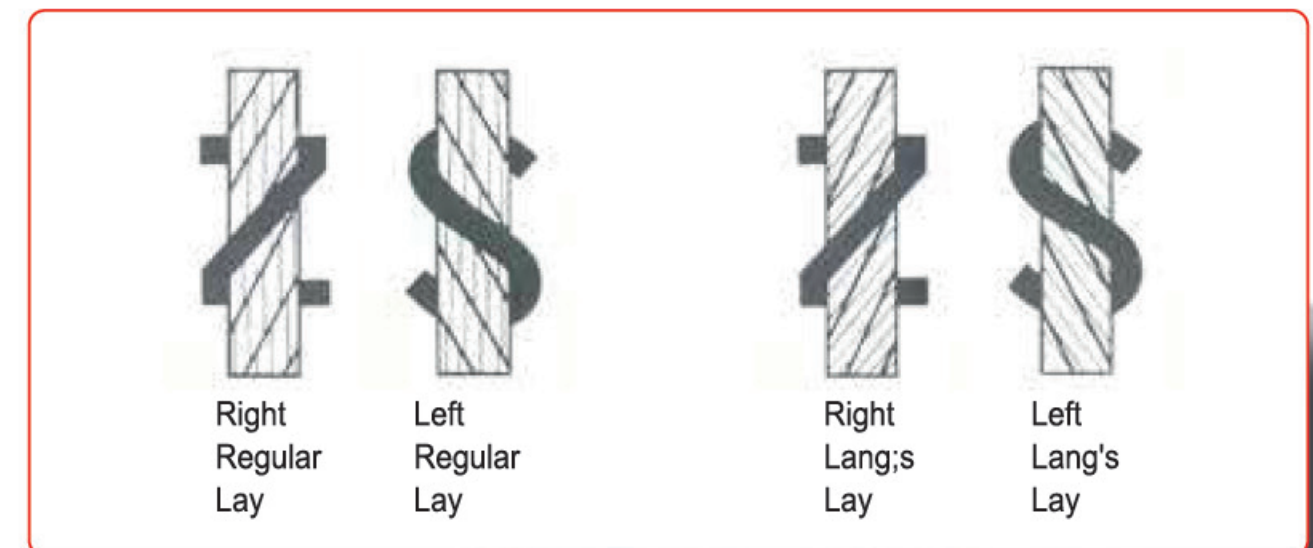


Fundamental Constructions

WIRE ROPE HAVE 5 DIFFERENT CONSTRUCTION :



Lay of direction of Wire Ropes



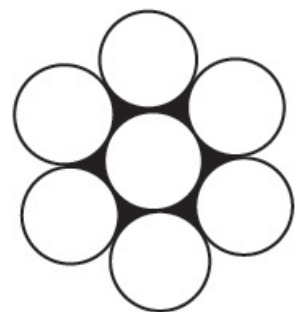
Regular lay Wire Rope

The direction of the wire lay in the strand is opposite to the direction of the lay in the rope. It is two kind; right regular lay "Z", and left regular lay "S".

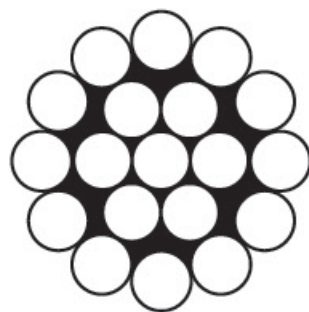
Lang Lay Wire Rope

Both strand lay and rope lay are in the same direction. There are Two types; right lang lay "Z/Z" and left lang lay "S/S".

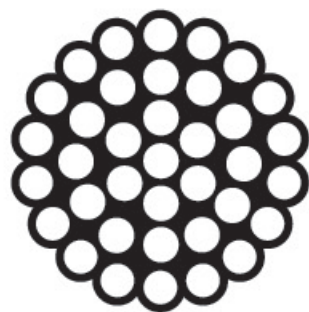




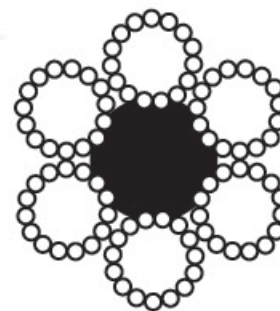
1×7



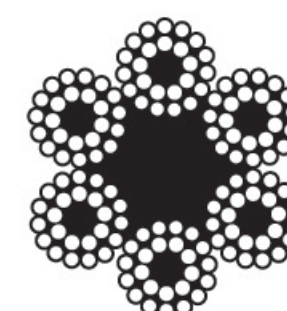
1×19



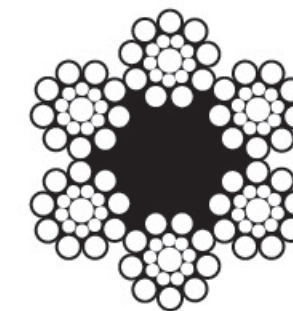
1×37



$6 \times 15 + 7FC$



$6 \times 24 + 7FC$



$6 \times 19S + FC$



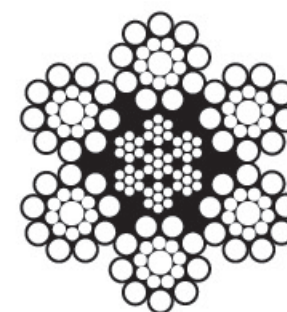
$6 \times 7 + FC$



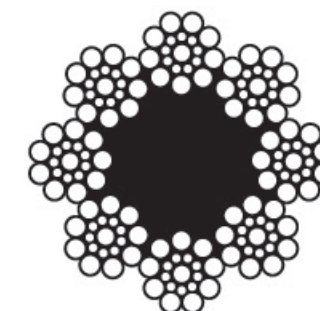
$6 \times 7 + IWSC$



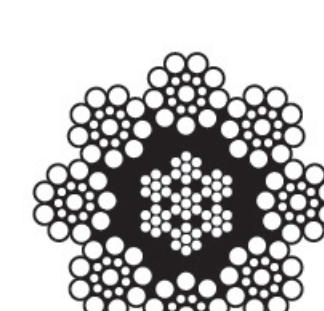
$6 \times 19 + FC$



$6 \times 19S + IWRC$



$8 \times 19S + FC$



$8 \times 19S + IWRC$



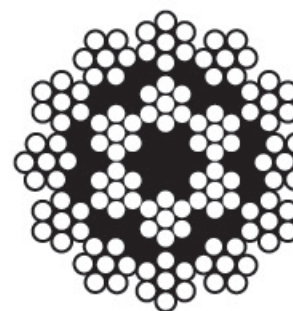
$6 \times 19 + IWSC$



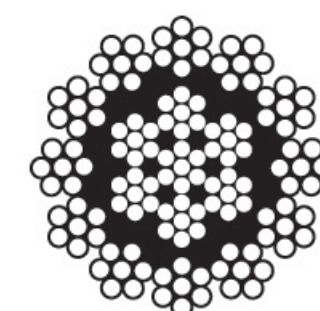
$6 \times 19 + IWRC$



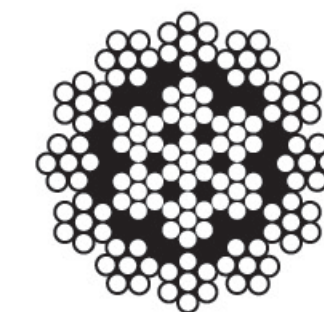
$6 \times 37 + FC$



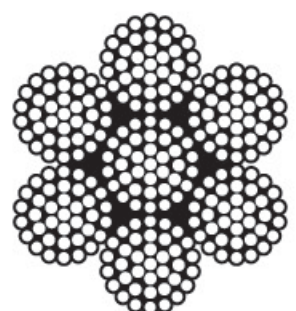
$18 \times 7 + FC$



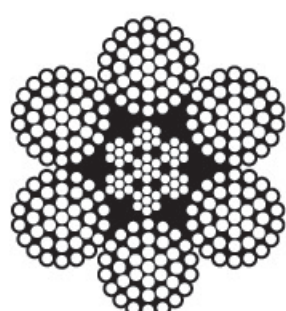
$18 \times 7 + IWSC$



19×7



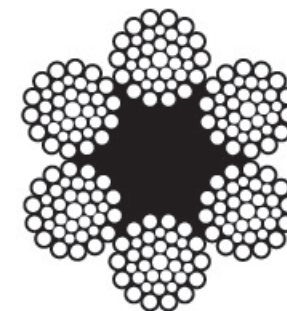
$6 \times 37 + IWSC$



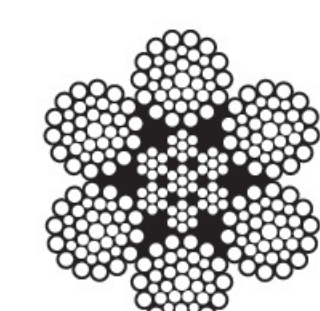
$6 \times 37 + IWRC$



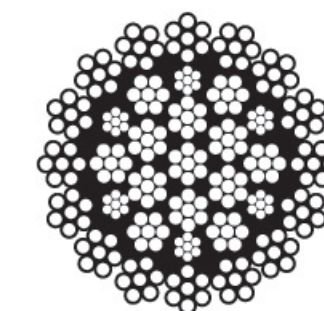
$6 \times 12 + 7FC$



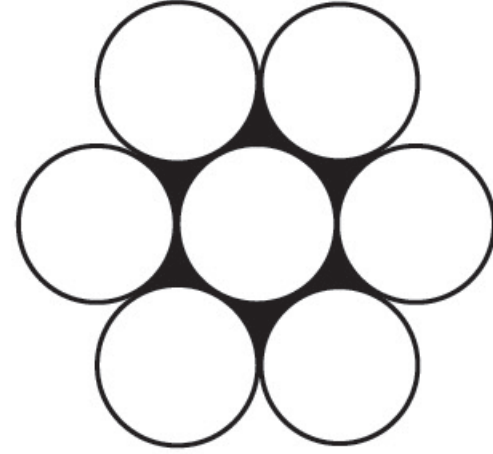
$6 \times 36SW$



$6 \times WS36 + IWRC$



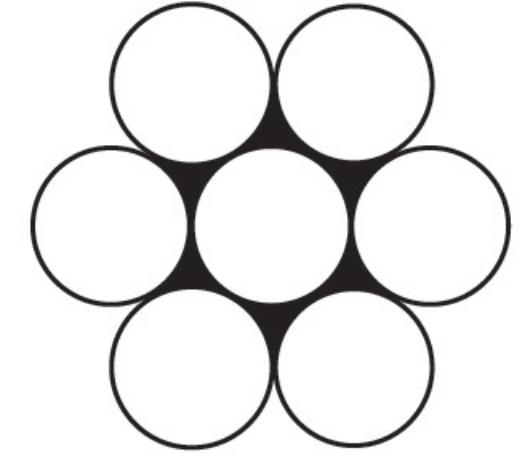
$35W \times 7$



STAINLESS STEEL WIRE ROPE

1x7 STAINLESS STEEL CABLE

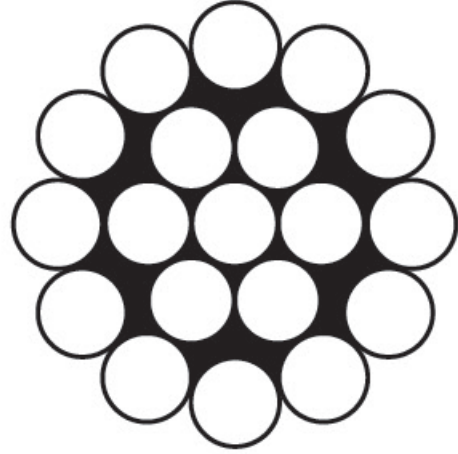
RRW-410D			
Diameter (in)	Weight per 100ft(lbs)	nominal B.S.(lbs)	
		AISI 302.304	AISI 316
1/16	0.055	40	-
3/32	0.23	185	-
3/64	0.55	375	-
1/16	0.85	500	-
5/64	1.4	800	-
3/32	2	1200	-
1/8	3.5	2100	-
3/16	7.3	4700	-
1/4	13.7	8500	7650
3/8	24.3	18000	16200
1/2	52	33700	30200



STAINLESS STEEL WIRE ROPE

1x7 STAINLESS STEEL CABLE

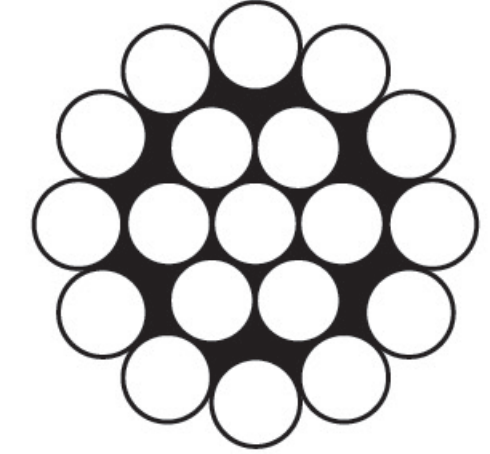
En12385		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
0.3	0.05	0.08
0.4	0.08	0.13
0.6	0.18	0.30
0.8	0.32	0.53
1	0.51	0.83
1.2	0.73	1.20
1.5	1.14	1.87
1.8	1.64	2.70
2	2.02	3.33
2.5	3.16	5.20
3	4.55	7.49
4	8.08	13.31



STAINLESS STEEL WIRE ROPE

1×19 STAINLESS STEEL CABLE

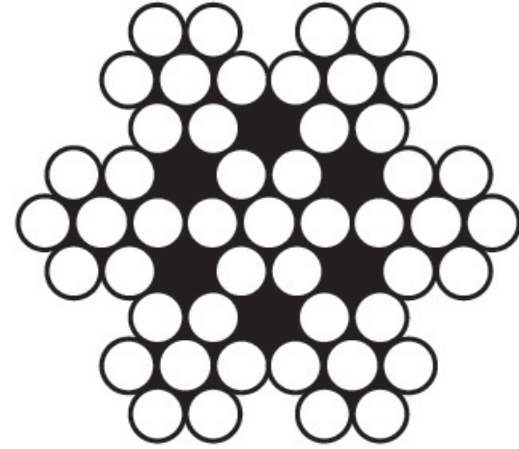
RRW-410D			
Diameter (in)	Weight per 100ft(lbs)	nominal B.S.(lbs)	
		AISI 302.304	AISI 316
1/16	0.85	550	480
3/32	2.00	1200	1070
1/8	3.5	2100	1760
5/32	5.5	3300	3000
3/16	7.70	4700	4270
7/32	10.2	6300	5730
1/4	13.5	8200	7460
5/16	21.0	12500	11800
3/8	30.0	17500	16500
1/2	54.0	31000	29500
9/16	69.0	38000	36100
5/8	85.0	47400	44970



STAINLESS STEEL WIRE ROPE

1×19 STAINLESS STEEL CABLE

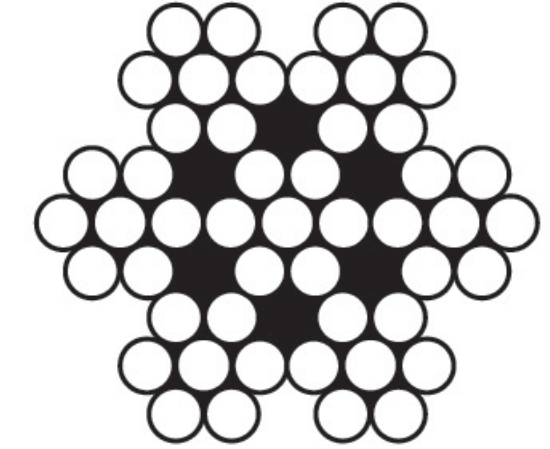
En12385		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
0.8	0.31	0.530
1	0.49	0.820
1.5	1.11	1.850
1.8	1.6	2.670
2	1.98	3.300
2.5	3.09	5.160
3	4.45	7.430
4	7.92	13.210
5	12.37	20.640
6	17.82	29.720
8	31.68	52.850
10	49.5	82.580
12	71.28	118.910



STAINLESS STEEL WIRE ROPE

7×7 STAINLESS STEEL CABLE

RRW-410D			
Diameter (in)	Weight per 100ft(lbs)	nominal B.S.(lbs)	
		AISI 302.304	AISI 316
1/16	0.75	480	420
3/32	1.6	920	810
1/8	2.8	1700	1510
5/32	4.3	2500	2270
3/16	6.2	3700	3350
7/32	8.3	4800	4360
1/4	10.6	6100	5600
5/16	16.7	9000	8100
3/8	23.6	12500	11400
-	-	-	-
-	-	-	-



STAINLESS STEEL WIRE ROPE

7×7 STAINLESS STEEL CABLE

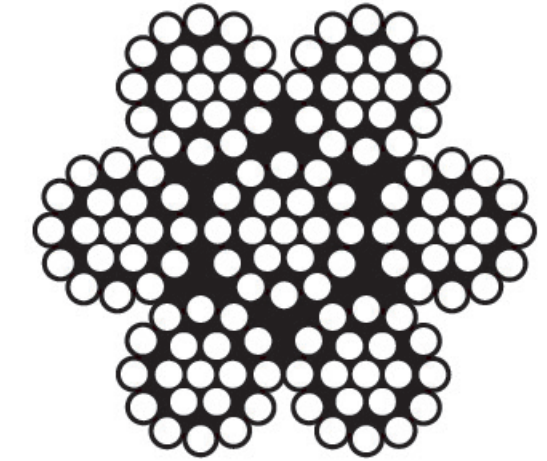
En12385		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
0.5	0.09	0.14
0.8	0.25	0.29
1	0.39	0.56
1.2	0.56	0.81
1.5	0.88	1.27
2	1.57	2.25
3	3.53	5.07
4	6.28	9.01
5	9.82	14.09
6	14.14	20.29
8	25.15	36.07
10	39.30	56.36
12	56.59	81.16



STAINLESS STEEL WIRE ROPE

7×19 STAINLESS STEEL CABLE

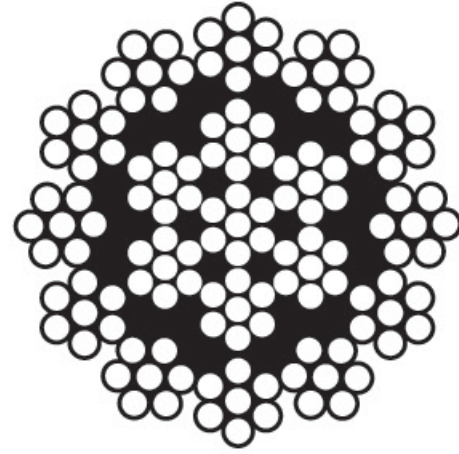
RRW-410D			
Diameter (in)	Weight per 100ft(lbs)	nominal B.S.(lbs)	
		AISI 302.304	AISI 316
-	-	-	-
3/32	1.74	920	810
1/8	2.9	1760	1530
5/32	4.5	2400	2110
3/16	6.5	3700	3210
7/32	8.6	500	4350
1/4	11.0	6400	5600
5/16	17.3	9000	8200
3/8	24.3	12000	11000
-	-	-	-
-	-	-	-
-	-	-	-



STAINLESS STEEL WIRE ROPE

7×19 STAINLESS STEEL CABLE

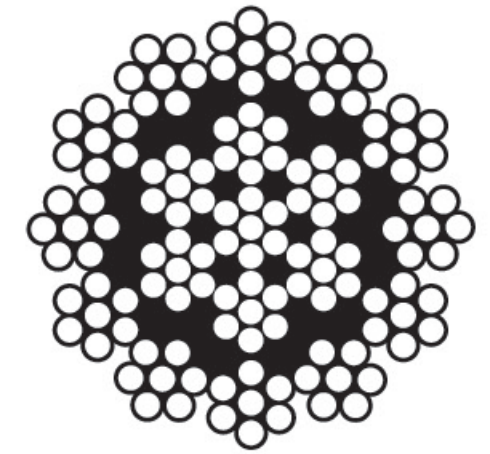
En12385		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
1.5	0.86	1.28
2	1.52	2.27
3	3.43	5.12
4	6.10	9.09
5	9.53	14.21
6	13.72	20.46
8	24.38	36.37
10	38.10	56.83
12	54.86	81.84
16	97.54	145.50
18	123.44	184.14
20	152.40	227.34
26	257.56	384.20



STAINLESS STEEL WIRE ROPE

19×7 STAINLESS STEEL CABLE

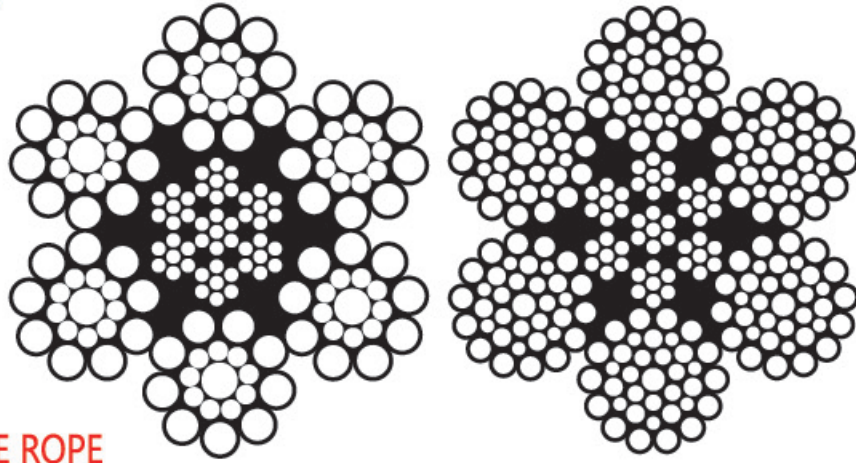
RRW-410D			
Diameter (in)	Weight per 100ft(lbs)	nominal B.S.(lbs)	
		AISI 302.304	AISI 316
5/32	4.5	2160	-
3/16	6.5	3330	-
7/32	8.6	4500	-
1/4	11	5760	-
5/16	17.3	8100	-
3/8	24.3	10800	-
1/2	45.8	20520	-
5/8	71.5	31500	-
-	-	-	-
-	-	-	-
-	-	-	-



STAINLESS STEEL WIRE ROPE

19×7 STAINLESS STEEL CABLE

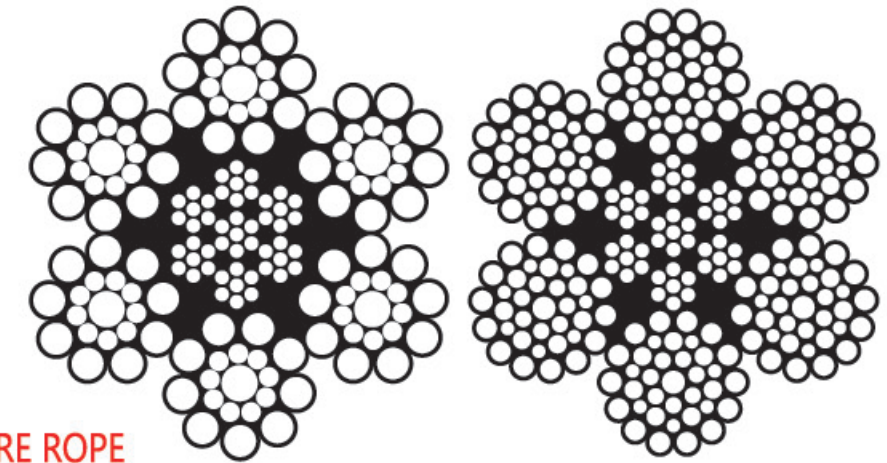
En12385		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
4	6.43	7.61
5	10.05	13.58
6	14.47	19.56
7	19.69	26.62
8	25.73	34.77
10	40.2	54.32
12	57.89	78.22
14	78.79	106.4
16	102.91	139.1
18	130.25	176
20	160.8	217



STAINLESS STEEL WIRE ROPE

6×19/37 STAINLESS STEEL CABLE

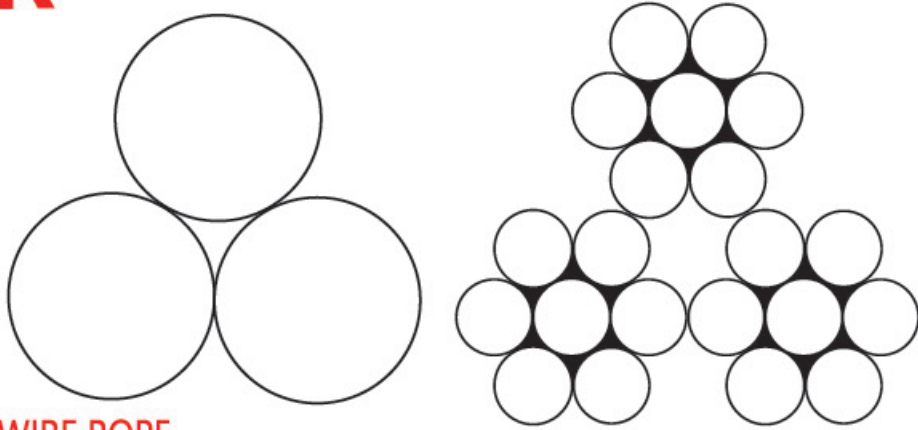
RRW-410D			
Diameter (in)	Weight per 100ft(lbs)	nominal B.S.(lbs)	
		AISI 302.304	AISI 316
5/16	0.18	9000	8200
3/8	0.26	12000	10800
7/16	0.35	16300	14800
1/2	0.46	22800	20500
9/16	0.59	28500	25700
5/8	0.72	35000	31500
3/4	1.04	49600	44600
7/8	1.42	66500	59900
1	1.85	85400	76900
1-1/8	2.34	106400	95800
1-1/4	2.89	129400	116500



STAINLESS STEEL WIRE ROPE

6×19/37 STAINLESS STEEL CABLE

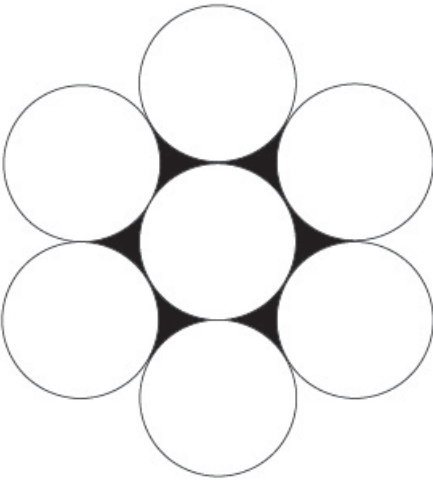
En12385		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
8	25.92	35.77
10	40.5	55.89
12	58.32	80.48
14	79.38	109.55
16	103.68	143.08
18	131.22	181.09
20	162	223.57
8	26.75	35.77
10	41.8	55.89
12	60.19	80.48
14	81.93	109.55
16	107.01	143.08



STAINLESS STEEL WIRE ROPE

3×3/3×7 STAINLESS STEEL CABLE

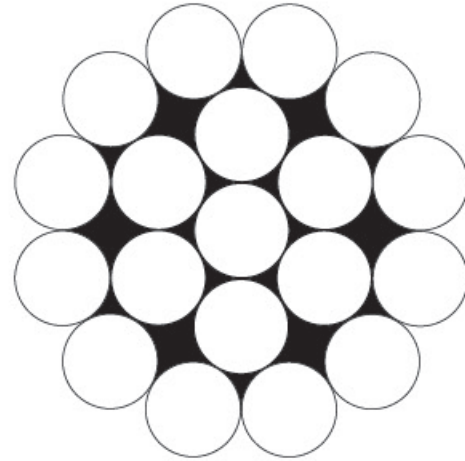
RRW-410D			
Const	Diameter (in)	Weight per 100ft(lbs)	nominal B.S.(lbs) AISI 302.304
3×3	0.02	5	40
-	-	-	-
3×7	1/32	19	110
3×7	0.078	97	650



GALVANISED STEEL WIRE ROPE

1X7

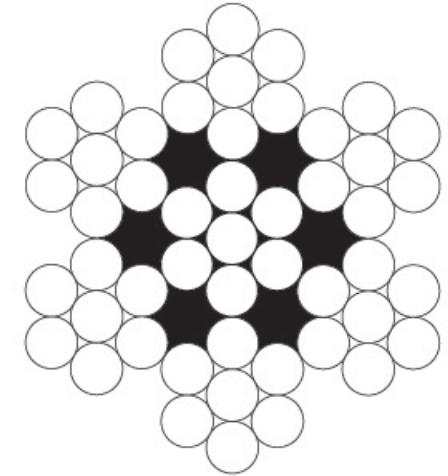
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
1,5	1	1,9



GALVANISED STEEL WIRE ROPE

1X19

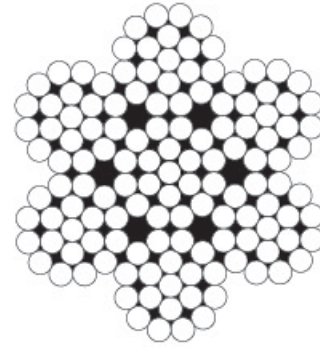
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
2	1,98	3,3
2,5	3,1	5,2
3	4,46	7,4
4	7,93	13,2



GALVANISED STEEL WIRE ROPE

7X7

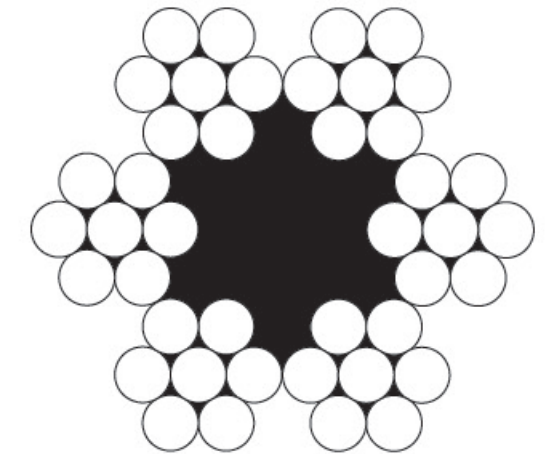
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
1	0,38	0,6
1,5	0,94	1,4
2	1,52	2,4
2,5	2,27	3,8
3	3,43	5,5
4	6,1	9,8
5	9,53	15,2
6	13,7	22,0
8	24,6	36,0



GALVANISED STEEL WIRE ROPE

7X19

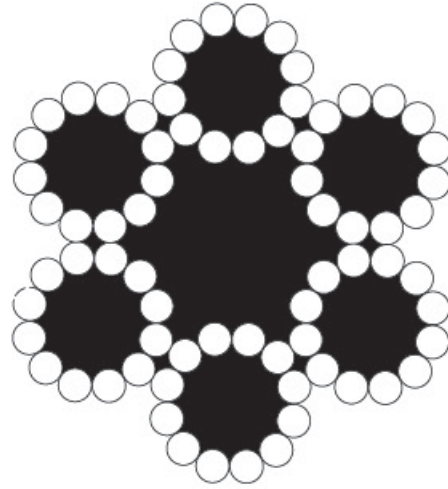
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
3	3,32	5,1
3,5	4,75	7,0
4	5,91	9,1
4,5	7,75	11,8
5	9,23	14,2
6	13,3	20,4
7	19,1	27,9
8	23,6	36,4
9	30,9	46,1
10	38,1	56,9
11	46,1	68,8
12	54,8	81,7
14	74,6	111,3
16	97,4	145,8



GALVANISED STEEL WIRE ROPE

6X7+PPC

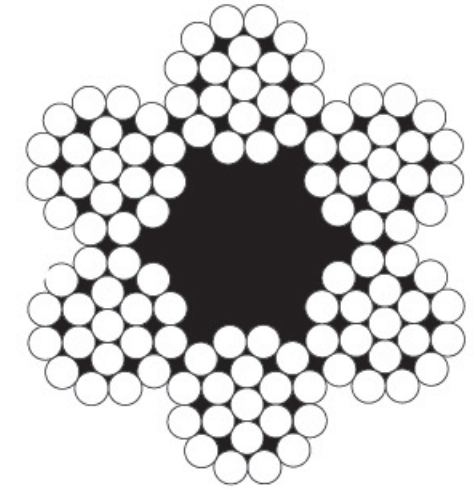
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
2	1,36	2,1
3	3,06	4,7
4	5,44	8,3
5	8,5	13,11
6	12,6	18,7



GALVANISED STEEL WIRE ROPE

6X12+7FC

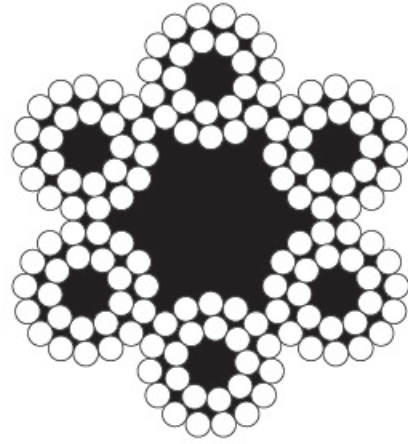
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
3	2,02	3,0
4	3,5	5,2
5	5,6	8,2
6	8	11,8
8	14,3	21,0
10	22,4	32,8
12	32,3	47,3



GALVANISED STEEL WIRE ROPE

6X19+PPC

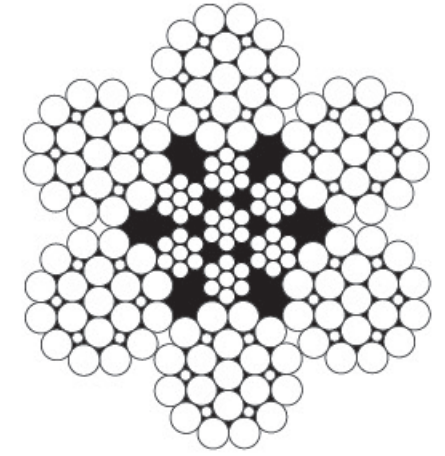
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
3	2,95	4,3
4	5,2	7,7
5	8,1	12,0
6	11,8	17,4
7	16,9	23,6
8	20,9	30,8
9	28,0	39,0
10	32,7	48,2
11	41,8	58,3
12	47,1	69,4
13	58,4	81,4
14	67,8	94,5
16	83,8	123,4



GALVANISED STEEL WIRE ROPE

6X24+7FC

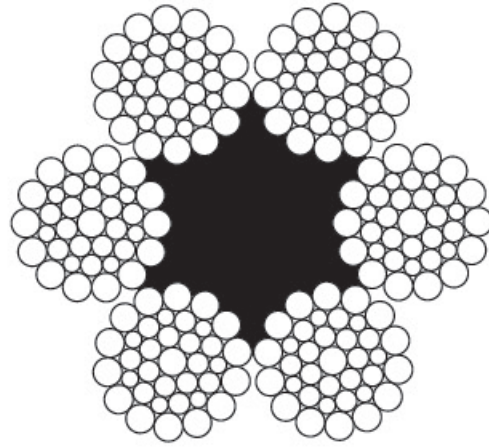
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
6	10,6	15,8
8	18,9	28,1
10	29,5	44,0
12	42,5	63,3
14	57,8	86,1
16	75,5	112,7
18	95,6	142,8
20	118	175,6
22	143	212,9



GALVANISED STEEL WIRE ROPE

6X25F+IWRC

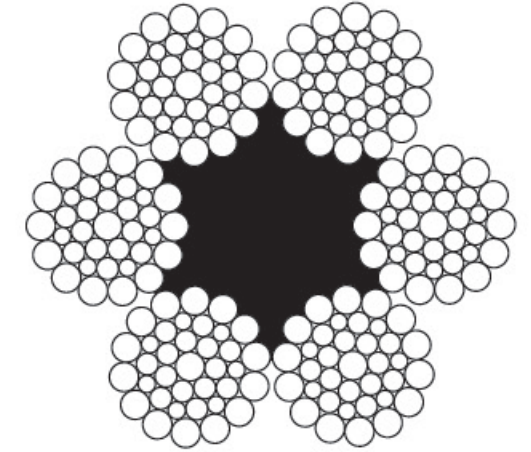
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
13	67,3	95
14	78	110
16	102	144
18	129	1811
19	144	202
20	159	224
22	193	271
24	229	322
25	249	349
26	269	378
28	312	438
30	358	503
32	408	573



GALVANISED STEEL WIRE ROPE

6X36WS+PPC /LUBRICATED

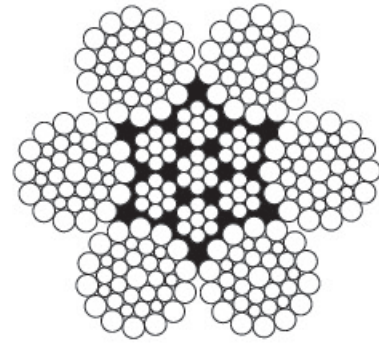
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
10	35,2	51,8
12	50,7	74,6
13	59,5	87,3
14	69	102
16	90,1	133
18	114	1168
20	141	207
22	170	251
24	203	299
26	238	350
28	276	406
30	317	466
32	360	530



GALVANISED STEEL WIRE ROPE

6X36WS+PPC /DRY

EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
10	35,2	51,8
12	50,7	74,6
13	59,5	87,3
14	69	102
16	90	133
18	114	168
20	141	207
22	170	251
24	203	299
26	238	350
28	276	406
30	317	466
32	380	530

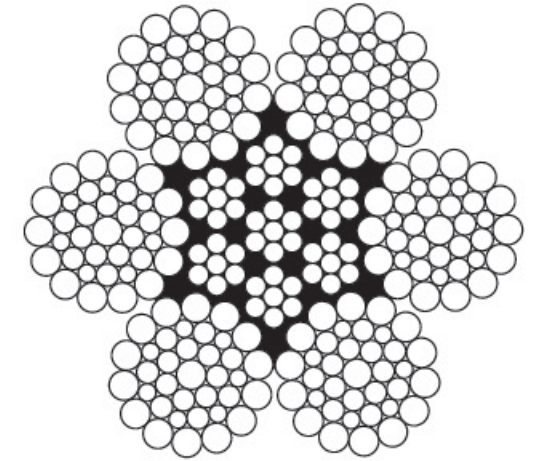


GALVANISED STEEL WIRE ROPE

6X36WS+IWRC

EN12385-4

Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
6	16	20,1
8	25,5	35,8
9	33,1	45,3
10	39,8	55,9
11	50,6	67,7
12	57,3	80,1
13	67,3	94,5
14	78	109,7
16	102	143,4
18	129	181
19	144	202
20	159	223
22	193	271
24	229	322
26	269	378
28	312	438
30	358	503
32	408	572
36	516	724
38	575	809
40	637	897
44	771	1081
48	917	1290

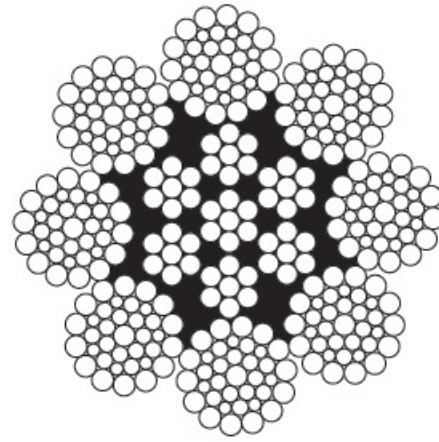


GALVANISED STEEL WIRE ROPE

6X36WS+IWRC

EN12385-4

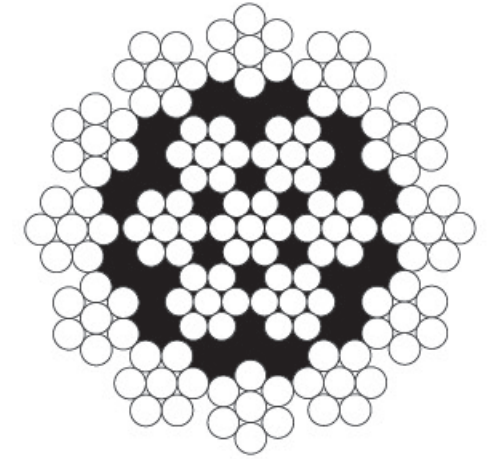
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
8	25,5	35,8
9	33,1	45,3
10	39,8	55,9
12	57,3	80,1
13	67,3	94,5
14	78	109,7
16	102	143,4
18	129	181
20	159	223
22	193	271
24	229	322



GALVANISED STEEL WIRE ROPE

8X36WS+IWRC

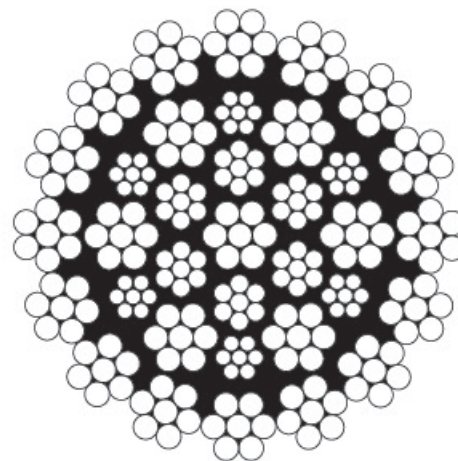
EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
16	107	143
18	135	181
20	167	223
22	202	271
24	240	322
26	282	378
28	327	438
32	427	573



GALVANISED STEEL WIRE ROPE

19X7

EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
3	3,7	4,6
4	6,4	8,3
4,3	7,9	9,5
5	9,4	12,9
6	13,6	18,5
7	18,5	25,2
8	24,2	32,9
9	30,6	41,7
10	37,8	51,5
11	45,7	62,3
12	54,4	74,2
13	63,9	97,3
14	74,1	100,9
15	85,1	116,2
16	96,8	132,2



GALVANISED STEEL WIRE ROPE

35x7

EN12385-4		
Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
10	70,6	56,6
12	102	81,7
13	119	95,3
14	138	110,5
16	181	145,0
18	229	183,4
19	254	203,5
20	282	225,9
22	342	273,9
24	406	325,2

