

## Wire Rope Sling With Spring

- Mainly used for protection of joint parts of various oil pipes, cables and gas pipelines.
- Wire rope diameter :3mm~16mm according to GB/T20118-2006 6X19(b)
- Wire rope diameter :1.8mm~6mm according to GB/T14451-2008.
- Can be customized according to customer requirements



**GB/T20118-2006 , 6X19(b) Round Strand Wire Rope**

Wire Rope Diameter ( mm )	Wire Rope Weight ( kg/100m )			Nominal Tensile Strength ( MPa )							
				1570		1670		1770		1870	
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Minimum Breaking Strength(kN)							
Fiber Core				Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	
3	3.16	3.10	3.60	4.34	4.69	4.61	4.99	4.89	5.29	5.17	5.59
4	5.62	5.50	6.40	7.71	8.34	8.20	8.87	8.69	9.40	9.19	9.93
5	8.78	8.60	10.0	12.0	13.0	12.8	13.9	13.6	14.7	14.4	15.5
6	12.6	12.4	14.4	17.4	18.8	18.5	20.0	19.6	21.2	20.7	22.4
7	17.2	16.9	19.6	23.6	25.5	25.1	27.2	26.6	28.8	28.1	30.4
8	22.5	22.0	25.6	30.8	33.4	32.8	35.5	34.8	37.6	36.7	39.7
9	28.4	27.9	32.4	39.0	42.2	41.6	44.9	44	47.6	46.5	50.3
10	35.1	34.4	40	48.2	52.1	51.3	55.4	54.4	58.8	57.4	62.1
11	42.5	41.6	48.4	58.3	63.1	62	67.1	65.8	71.1	69.5	75.1
12	50.5	50	57.6	69.4	75.1	73.8	79.8	78.2	84.6	82.7	89.4
13	59.3	58.1	67.6	81.5	88.1	86.6	93.7	91.8	99.3	97	105
14	68.8	67.4	78.4	94.5	102	100	109	107	115	113	122
16	89.9	88.1	102	123	133	131	142	139	150	147	159

**GB/T14451-2008 , 6×19-WSC**

Nominal Diameter	Cross Section	Elongation		Min B/L	Approximate Weight
		Elastic	Permanent		
mm	mm <sup>2</sup>	% Not Exceed		kN	kg/100m
1.8	1.56	0.9	0.2	2.59	1.32
2.0	1.82			3.03	1.55
2.5	3.09			5.15	2.63
2.8	3.93			6.56	3.35
3.0	4.35			7.25	3.70
3.5	5.72	1.1		9.53	4.87
4.0	7.28			12.13	6.20
4.5	9.78			16.13	8.33
4.8	10.43			16.58	8.89
5.0	11.79			18.74	10.04
5.5	14.62			23.23	12.45
6.0	17.40			27.66	14.82