STEEL WIRE ROPE

6x19+IWR Steel Wire Rope Category B

Wire Rope Definition a. Wires: steel wires for wire ropes are normally made of non-alloy carbon steel with a carbon content of 0.4 to 0.95%. The tensile forces and to run over sheaves with relatively small diameters. ...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Steel Wire Rope
Standard	DIN
Material	SS Galvanized
Weight / Size	6x19+IWR Steel Wire Rope Category B Construction 6x19+IWR Steel Wire Rop...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Steel Wire Rope	**Model / SKU**	6x19-IWR-Steel-Wire-Rope-Category-B
Standard	DIN	**Material**	SS Galvanized

Weight / Size	6x19+IWR Steel Wire Rope Category B Construction 6x19+IWR Steel Wire Rope Category B Parameter Diameter MM Approx.Weight Minimun Breaking Load of Rope (KN) Kg/100m 1570Mpa 1670Mpa NF SF IWR FC IWR FC IWR 3 31.6 3.1 3.6 4.34 4.69 4.61 4.99 4 5.62 5.5 6.4 7.71 8.34 8.2 8.87 5 8.78 8.6 10 12 13 12.8 13.9 6 12.6 12.4 14.4 17.4 18.8 18.5 20 7 17.2 16.9 19.6 23.6 25.5 25.1 27.2 8 22.5 22 25.6 30.8 33.4 32.8 35.5 9 28.4 27.9 32.4 39 42.2 41.6 44.9 10 35.1 34.4 40 48.2 52.1 51.3 55.4 11 42.5 41.6 48.4 58.3 63.1 62 67.1 12 50.5 50 57.6 69.4 75.1 73.8 79.8 13 59.3 58.1 67.6 81.5 88.1 86.6 93.7 14 68.8 67.4 78.4 94.5 102 100 109 16 89.9 88.1 102 123 133 131 142 18 114 111 130 159 169 166 180 20 140 138 160 193 208 205 222 22 170 166 194 233 252 248 268 24 202 198 230 278 300 295 319 26 237 233 270 326 352 346 375 28 275 270 314 378 409 402 435 30 316 310 360 434 469 461 499 32 359 352 410 494 534 525 568 34 406 398 462 557 603 593 641 36 455 446 518 625 676 664 719 38 507 497 578 696 753 740 801 40 562 550 640 771 834 820 887 42 619 607 706 850 919 904 978 44 680 666 774 930 1010 993 1070 46 743 728 846 1020 1100 1080 1170 Diameter MM Minimun Breaking Load of Rope (KN) 1770Mpa 1870Mpa FC IWR FC IWR 3 4.89 5.29 5.17 5.59 4 8.69 9.4 9.19 9.93 5 13.6 14.7 14.4 15.5 6 19.6 21.2 20.7 22.4 7 26.6 28.8 28.1 30.4 8 34.8 37.6 36.7 39.7 9 44 47.6 46.5 50.3 10 54.4 58.8 57.4 62.1 11 65.8 71.1 69.5 75.1 12 78.2 84.6 82.7 89.4 13 91.8 99.3 97 105 14 107 115 113 122 16 139 150 147 159 18 176 190 186 201 20 217 235 230 248 22 263 284 278 300 24 313 338 331 358 26 367 397 388 420 28 426 461 450
Surface	galvanized

	487 30 489 529 517 559 32 557 602 588 636 34 628 679 664 718 36 704 762 744 805 38 785 849 829 896 40 869 940 919 993 42 959 1040 1010 1100 44 1050 1140 1110 1200 46 1150 1240 1210 1310 Applications Mine hoisting, blast furnace hoisting, large casting, oil drilling, forestry and marine industries,all kinds ofelevator, large hoisting, ground cable car ships and offshore facilities, cable railing.		
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

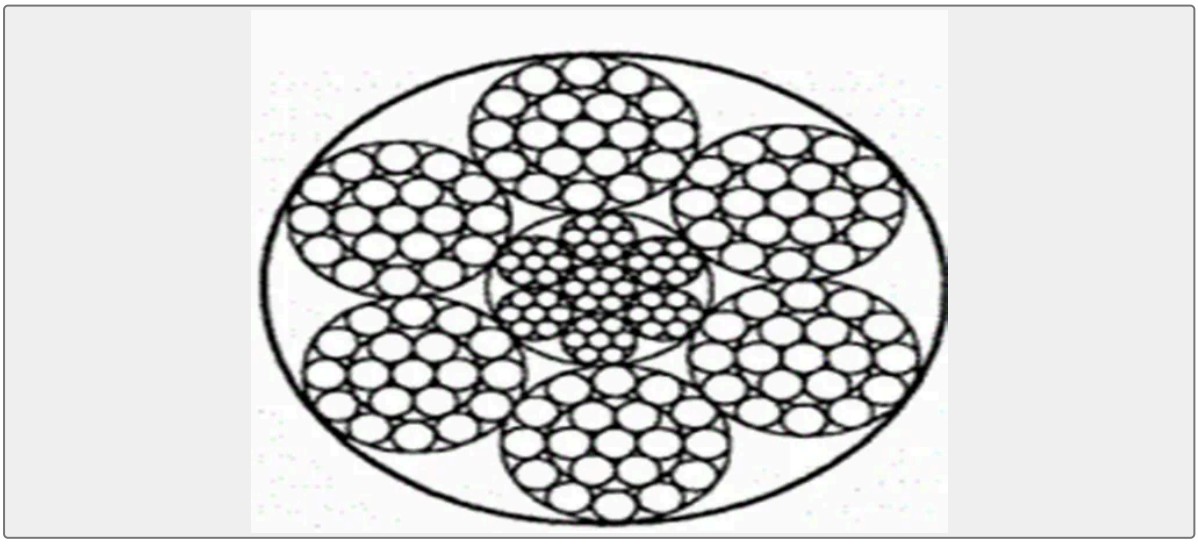
CONTENTS

- Wire Rope Definition
- 6x19+IWR Steel Wire Rope Category B Parameter
- How To Choose Material
- 6x19+IWR Steel Wire Rope Category B Construction
- Applications
- Packaging

Wire Rope Definition

a. Wires: steel wires for wire ropes are normally made of non-alloy carbon steel with a carbon content of 0.4 to 0.95%. The tensile forces and to run over sheaves with relatively small diameters.
b. Strand: the strand is a component of wire rope usually consisting of an assembly of wires of appropriate diamsions laid helically in one or more layers around a central element.
c. Core: the core is the central element, of fiber or steel, around which are laid helically the outer strands of wire rope. The core provides proper support for the strands under normal bending and loading conditions.
d. Wire rope is several strands of metal wire twisted into a helix forming a composite "rope", in a pattern known as "laid rope". Larger diameter wire rope consists of multiple strands.

6x19+IWR Steel Wire Rope Category B Construction



6x19+IWR Steel Wire Rope Category B Parameter

Diameter MM	Approx.Weight			Minimun Breaking Load of Rope（KN)			
	Kg/100m			1570Mpa		1670Mpa	
	NF	SF	IWR	FC	IWR	FC	IWR
3	31.6	3.1	3.6	4.34	4.69	4.61	4.99
4	5.62	5.5	6.4	7.71	8.34	8.2	8.87
5	8.78	8.6	10	12	13	12.8	13.9
6	12.6	12.4	14.4	17.4	18.8	18.5	20
7	17.2	16.9	19.6	23.6	25.5	25.1	27.2
8	22.5	22	25.6	30.8	33.4	32.8	35.5
9	28.4	27.9	32.4	39	42.2	41.6	44.9
10	35.1	34.4	40	48.2	52.1	51.3	55.4
11	42.5	41.6	48.4	58.3	63.1	62	67.1
12	50.5	50	57.6	69.4	75.1	73.8	79.8
13	59.3	58.1	67.6	81.5	88.1	86.6	93.7
14	68.8	67.4	78.4	94.5	102	100	109
16	89.9	88.1	102	123	133	131	142
18	114	111	130	159	169	166	180
20	140	138	160	193	208	205	222
22	170	166	194	233	252	248	268
24	202	198	230	278	300	295	319
26	237	233	270	326	352	346	375
28	275	270	314	378	409	402	435
30	316	310	360	434	469	461	499
32	359	352	410	494	534	525	568
34	406	398	462	557	603	593	641
36	455	446	518	625	676	664	719
38	507	497	578	696	753	740	801
40	562	550	640	771	834	820	887
42	619	607	706	850	919	904	978
44	680	666	774	930	1010	993	1070
46	743	728	846	1020	1100	1080	1170

Diameter MM	Minimun Breaking Load of Rope（KN)			
	1770Mpa		1870Mpa	
	FC	IWR	FC	IWR
3	4.89	5.29	5.17	5.59
4	8.69	9.4	9.19	9.93
5	13.6	14.7	14.4	15.5
6	19.6	21.2	20.7	22.4
7	26.6	28.8	28.1	30.4
8	34.8	37.6	36.7	39.7
9	44	47.6	46.5	50.3
10	54.4	58.8	57.4	62.1
11	65.8	71.1	69.5	75.1
12	78.2	84.6	82.7	89.4
13	91.8	99.3	97	105
14	107	115	113	122
16	139	150	147	159
18	176	190	186	201
20	217	235	230	248
22	263	284	278	300
24	313	338	331	358
26	367	397	388	420
28	426	461	450	487
30	489	529	517	559
32	557	602	588	636
34	628	679	664	718
36	704	762	744	805
38	785	849	829	896
40	869	940	919	993
42	959	1040	1010	1100
44	1050	1140	1110	1200
46	1150	1240	1210	1310

Applications

Mine hoisting, blast furnace hoisting, large casting, oil drilling, forestry and marine industries,all kinds ofelevator, large hoisting, ground cable car ships and offshore facilities, cable railing.

How To Choose Material

1.stainless steel :
providing good corrosion resistance and strength comparable to galvanized carbon steel grades.
2.galvanized steel:
Zinc coated carbon steel offers some corrosion resistance. It remains ductile over long periods of working. Usually higher break strengths than stainless steels.

Packaging

