Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

STEEL WIRE ROPE

6X19W+IWR Steel Wire Rope Category A

ISO9001 Supplier

Class Certificate

Export Supply

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. ...

Key Highlights

Category	Steel Wire Rope
Standard	DIN
Material	SS Galvanized
Weight / Size	6X19W+IWR Steel Wire Rope Category A Constryction 6X19W+IWR Steel Wire R...
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**	6X19W-IWR-Steel-Wire-Rope-Category-A
Standard	DIN	**Material**	SS Galvanized

Weight / Size	6X19W+IWR Steel Wire Rope Category A Constryction 6X19W+IWR Steel Wire Rope Category A Parameters Diameter MM Approx.Weight Minimun Breaking Load of Rope (KN) Kg/100m 1570Mpa 1670Mpa NF SF IWR FC IWR FC IWR 6 13.3 13 14.6.6 18.7 20.1 19.8 21.4 7 18.1 17.6 19.9 25.4 27.4 27 29.1 8 23.6 23 25.9 33.2 35.8 35.3 38 9 29.9 29.1 32.8 42 45.3 44.6 48.2 10 36.9 36 40.6 51.8 55.9 55.1 59.5 11 44.6 43.5 49.1 62.7 67.6 66.7 71.9 12 53.1 51.8 58.4 74.6 80.5 79.4 85.6 13 62.3 60.8 68.5 87.6 94.5 93.1 100 14 72.2 70.5 79.5 102 110 108 117 16 94.4 92.1 104 133 143 141 152 18 119 177 131 168 181 179 193 20 147 144 162 207 224 220 238 22 178 174 196 251 271 267 288 24 212 207 234 298 322 317 342 26 249 243 274 350 378 373 402 28 289 282 318 406 438 432 466 30 332 324 365 466 503 496 535 32 377 369 415 531 572 564 609 34 426 416 469 599 646 637 687 36 478 466 525 671 724 714 770 38 532 520 585 748 807 796 858 40 590 576 649 829 894 882 951 Diameter MM Minimun Breaking Load of Rope (KN) 1870Mpa 1960Mpa 2160Mpa 1770Mpa FC IWR FC IWR FC IWR FC IWR 6 22.2 24 23.3 25.1 25.7 27.7 21 22.7 7 30.2 32.6 31.7 34.2 34.9 37.7 28.6 30.9 8 39.5 42.6 41.4 44.6 45.6 49.2 37.4 40.3 9 50 53.9 52.4 56.5 57.7 62.3 47.3 51 10 61.7 66.6 64.7 69.8 71.3 76.9 58.4 63 11 74.7 80.6 78.3 84.4 86.2 93 70.7 76.2 12 88.9 95.9 93.1 100 103 111 84.1 90.7 13 104 113 109 118 120 130 98.7 106 14 121 130 127 137 140 151 114 124 16 158 170 166 179 182 197 150 161 18 200 216 210 226 231 249 189 204 20 247 266 259 279 285 308 234 252 22 299 322 313 338 345 372 283 305 24 355 383 373 402 411 443 336 363 26 417 450 437 472 482 520
Surface	galvanized

	395 426 28 484 522 507 547 559 603 458 494 30 555 599 582 628 642 692 526 567 32 632 682 662 718 730 787 598 645 34 713 770 748 807 824 889 675 728 36 800 863 838 904 924 997 757 817 38 891 961 934 1010 1030 1110 843 910 40 987 1070 1030 1120 1140 1230 935 1010 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		

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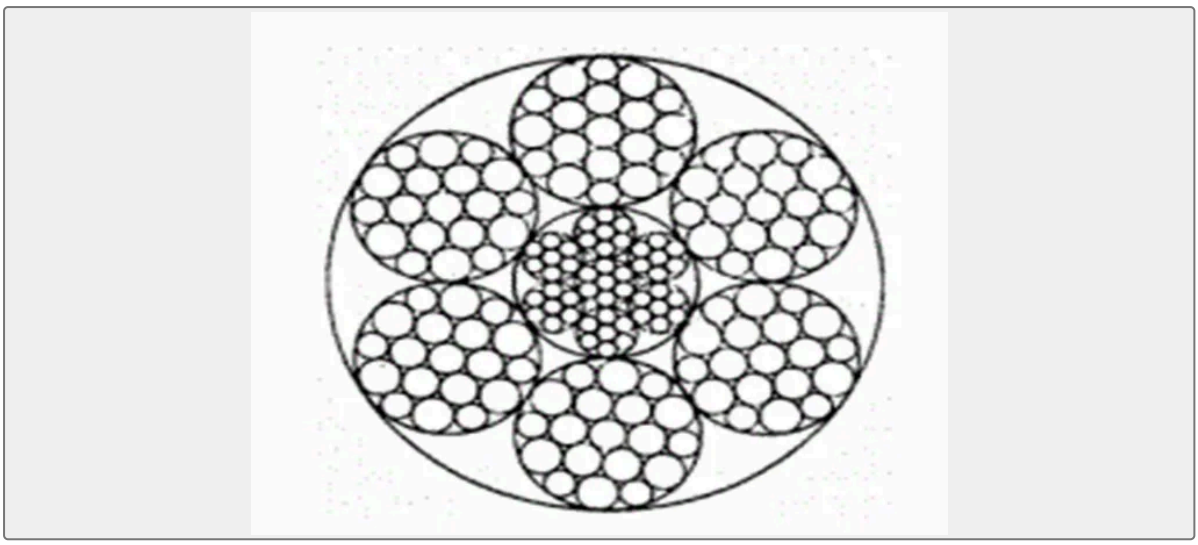
Wire Rope Definition

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.

6X19W+IWR Steel Wire Rope Category A Constryction



6X19W+IWR Steel Wire Rope Category A Parameters

Diameter MM	Approx.Weight			Minimun Breaking Load of Rope (KN)			
	Kg/100m			1570Mpa		1670Mpa	
	NF	SF	IWR	FC	IWR	FC	IWR
6	13.3	13	14.6.6	18.7	20.1	19.8	21.4
7	18.1	17.6	19.9	25.4	27.4	27	29.1
8	23.6	23	25.9	33.2	35.8	35.3	38
9	29.9	29.1	32.8	42	45.3	44.6	48.2
10	36.9	36	40.6	51.8	55.9	55.1	59.5
11	44.6	43.5	49.1	62.7	67.6	66.7	71.9
12	53.1	51.8	58.4	74.6	80.5	79.4	85.6
13	62.3	60.8	68.5	87.6	94.5	93.1	100
14	72.2	70.5	79.5	102	110	108	117
16	94.4	92.1	104	133	143	141	152
18	119	177	131	168	181	179	193
20	147	144	162	207	224	220	238
22	178	174	196	251	271	267	288
24	212	207	234	298	322	317	342
26	249	243	274	350	378	373	402
28	289	282	318	406	438	432	466
30	332	324	365	466	503	496	535
32	377	369	415	531	572	564	609

34	426	416	469	599	646	637	687
36	478	466	525	671	724	714	770
38	532	520	585	748	807	796	858
40	590	576	649	829	894	882	951

Diameter MM	Minimun Breaking Load of Rope (KN)							
	1870Mpa		1960Mpa		2160Mpa		1770Mpa	
	FC	IWR	FC	IWR	FC	IWR	FC	IWR
6	22.2	24	23.3	25.1	25.7	27.7	21	22.7
7	30.2	32.6	31.7	34.2	34.9	37.7	28.6	30.9
8	39.5	42.6	41.4	44.6	45.6	49.2	37.4	40.3
9	50	53.9	52.4	56.5	57.7	62.3	47.3	51
10	61.7	66.6	64.7	69.8	71.3	76.9	58.4	63
11	74.7	80.6	78.3	84.4	86.2	93	70.7	76.2
12	88.9	95.9	93.1	100	103	111	84.1	90.7
13	104	113	109	118	120	130	98.7	106
14	121	130	127	137	140	151	114	124
16	158	170	166	179	182	197	150	161
18	200	216	210	226	231	249	189	204
20	247	266	259	279	285	308	234	252
22	299	322	313	338	345	372	283	305
24	355	383	373	402	411	443	336	363
26	417	450	437	472	482	520	395	426
28	484	522	507	547	559	603	458	494
30	555	599	582	628	642	692	526	567
32	632	682	662	718	730	787	598	645
34	713	770	748	807	824	889	675	728
36	800	863	838	904	924	997	757	817
38	891	961	934	1010	1030	1110	843	910
40	987	1070	1030	1120	1140	1230	935	1010

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