STEEL WIRE ROPE

6X19S+IWR Steel Wire Rope

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	6X19S+IWR Steel Wire Rope Construction 6X19S+IWR Steel Wire Rope Paramet...
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**	6X19S-IWR-Steel-Wire-Rope
Standard	DIN	**Material**	SS Galvanized

Weight / Size	6X19S+IWR Steel Wire Rope Construction 6X19S+IWR Steel Wire Rope Parameters Diameter MM Approx.Weight Minimun Breaking Load of Rope（KN) Kg/100m 1570Mpa 1670Mpa NF SF IWR FC IWR FC IWR 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 18 119 117 131 168 181 179 193 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) 1770Mpa 1870Mpa 1960Mpa FC IWR FC IWR FC IWR 12 84.1 90.7 88.9 95.9 93.1 100 13 98.7 106 104 113 109 118 14 114 124 121 130 127 137 16 150 161 158 170 166 179 18 189 204 200 216 210 226 20 234 252 247 266 259 279 22 283 304 299 322 313 338 24 336 363 355 383 373 402 26 395 426 417 450 437 472 28 458 494 484 522 507 547 30 526 567 555 559 582 628 32 598 645 632 682 662 715 34 675 728 713 770 748 807 36 757 817 800 863 838 904 38 843 910 891 961 934 1010 40 935 1010 987 1070 1030 1120 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.	**Surface**	galvanized
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise

Origin	China

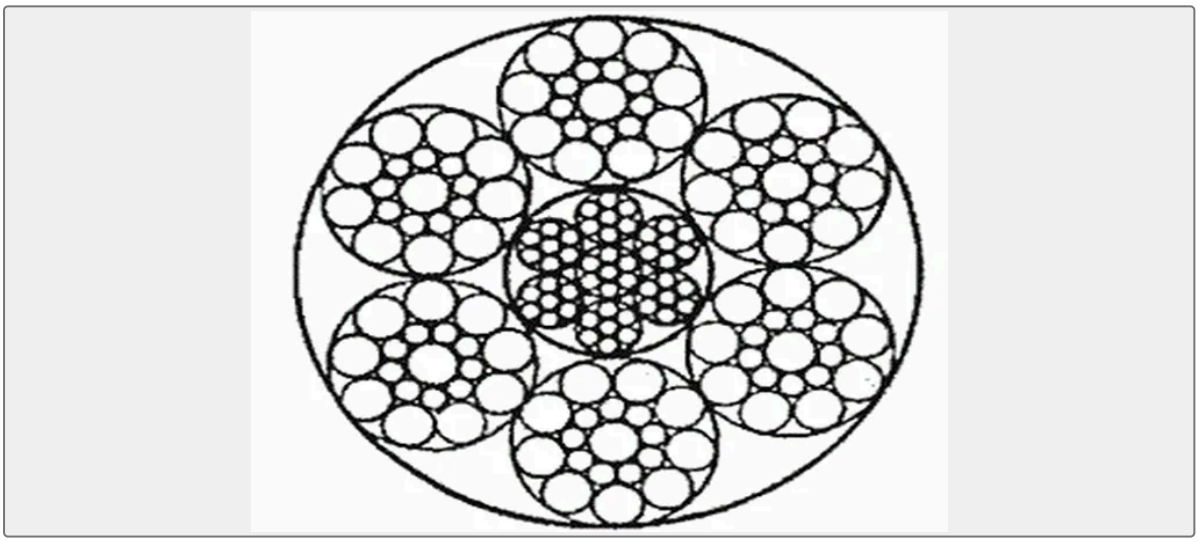
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Wire Rope Definition

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.

6X19S+IWR Steel Wire Rope Construction



6X19S+IWR Steel Wire Rope Parameters

Diameter MM	Approx.Weight			Minimun Breaking Load of Rope（KN)			
	Kg/100m			1570Mpa		1670Mpa	
	NF	SF	IWR	FC	IWR	FC	IWR
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	117	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)**					
	1770Mpa		1870Mpa		1960Mpa	
	FC	IWR	FC	IWR	FC	IWR
12	84.1	90.7	88.9	95.9	93.1	100
13	98.7	106	104	113	109	118
14	114	124	121	130	127	137
16	150	161	158	170	166	179
18	189	204	200	216	210	226
20	234	252	247	266	259	279
22	283	304	299	322	313	338
24	336	363	355	383	373	402
26	395	426	417	450	437	472
28	458	494	484	522	507	547
30	526	567	555	559	582	628
32	598	645	632	682	662	715
34	675	728	713	770	748	807
36	757	817	800	863	838	904
38	843	910	891	961	934	1010
40	935	1010	987	1070	1030	1120

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

