STEEL WIRE ROPE

6X37S+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	6X37S+IWR Steel Wire Rope 6X37S+IWR Steel Wire Rope Parameters Diameter ...
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**	6X37S-IWR-Steel-Wire-Rope
Standard	DIN	**Material**	SS Galvanized

Weight / Size	6X37S+IWR Steel Wire Rope 6X37S+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 57.4 53.4 60.2 74.6 80.5 79.4 85.6 13 64.2 62.7 70.6 87.6 94.5 93.1 100 14 74.5 72.7 81.9 102 110 108 117 16 97.3 95 107 133 143 141 152 18 123 120 135 168 181 179 193 20 152 148 167 207 224 220 238 22 184 180 202 251 271 257 288 24 219 214 241 298 322 317 342 26 257 251 283 350 378 373 402 28 298 291 328 406 438 433 466 30 342 334 376 466 503 496 535 32 389 380 428 531 572 564 609 34 430 429 483 599 646 637 687 36 492 481 542 671 724 714 700 38 549 536 604 748 807 796 858 40 608 594 669 829 894 880 951 42 670 654 737 914 986 972 1050 44 736 718 809 1000 1080 1070 1150 46 804 785 884 1100 1180 1170 1260 48 876 855 963 1190 1290 1270 1370 50 950 928 1040 1300 1400 1380 1490 52 1030 1000 1130 1400 1510 1490 1610 54 1110 1080 1220 1510 1630 1610 1730 56 1190 1160 1310 1620 1750 1730 1860 58 1280 1250 1410 1740 1880 1850 2000 60 1370 1340 1500 1870 2010 1980 2140 62 1460 1430 1610 1990 2150 2120 2290 64 1560 1520 1710 2120 2290 2260 2440 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 22 283 305 299 322 313 338 24 336 363 355 383 373 402 26 395 426 417 450 437 472 28 458 494 484 522 507 547 30 526 567 555 599 582 628 32 598 645 632 682 662 715 34 675
Surface	galvanized

	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 42 1030 1110 1090 1170 1140 1230 44 1130 1220 1190 1290 1250 1350 46 1240 1330 1310 1410 1370 1480 48 1350 1450 1420 1530 1490 1610 50 1460 1580 1540 1660 1620 1740 52 1580 1700 1670 1800 1750 1890 54 1700 1840 1800 1940 1890 2030 56 1830 1980 1940 2090 2030 2190 58 1960 2120 2080 2240 2180 2350 60 2100 2270 2220 2400 2330 2510 62 2250 2420 2370 2560 2490 2680 64 2390 2580 2530 2730 2650 2860 Applications:		
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

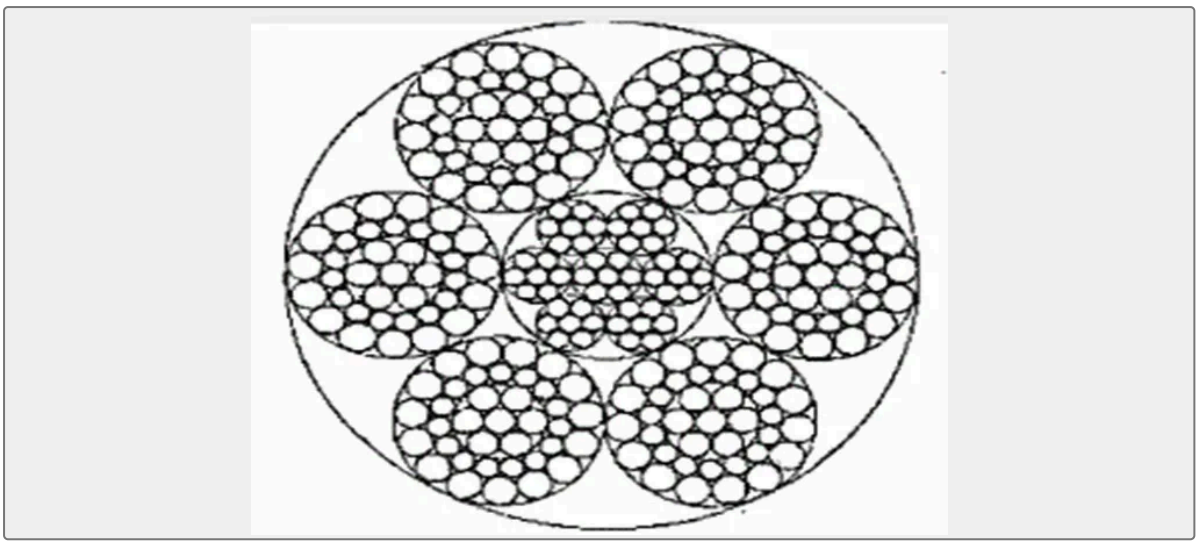
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Wire Rope Definition

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.

6X37S+IWR Steel Wire Rope



6X37S+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	57.4	53.4	60.2	74.6	80.5	79.4	85.6
13	64.2	62.7	70.6	87.6	94.5	93.1	100
14	74.5	72.7	81.9	102	110	108	117
16	97.3	95	107	133	143	141	152
18	123	120	135	168	181	179	193
20	152	148	167	207	224	220	238
22	184	180	202	251	271	257	288
24	219	214	241	298	322	317	342
26	257	251	283	350	378	373	402
28	298	291	328	406	438	433	466
30	342	334	376	466	503	496	535
32	389	380	428	531	572	564	609
34	430	429	483	599	646	637	687
36	492	481	542	671	724	714	700
38	549	536	604	748	807	796	858
40	608	594	669	829	894	880	951
42	670	654	737	914	986	972	1050
44	736	718	809	1000	1080	1070	1150

46	804	785	884	1100	1180	1170	1260
48	876	855	963	1190	1290	1270	1370
50	950	928	1040	1300	1400	1380	1490
52	1030	1000	1130	1400	1510	1490	1610
54	1110	1080	1220	1510	1630	1610	1730
56	1190	1160	1310	1620	1750	1730	1860
58	1280	1250	1410	1740	1880	1850	2000
60	1370	1340	1500	1870	2010	1980	2140
62	1460	1430	1610	1990	2150	2120	2290
64	1560	1520	1710	2120	2290	2260	2440

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	305	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	599	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
42	1030	1110	1090	1170	1140	1230
44	1130	1220	1190	1290	1250	1350

46	1240	1330	1310	1410	1370	1480
48	1350	1450	1420	1530	1490	1610
50	1460	1580	1540	1660	1620	1740
52	1580	1700	1670	1800	1750	1890
54	1700	1840	1800	1940	1890	2030
56	1830	1980	1940	2090	2030	2190
58	1960	2120	2080	2240	2180	2350
60	2100	2270	2220	2400	2330	2510
62	2250	2420	2370	2560	2490	2680
64	2390	2580	2530	2730	2650	2860

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

