



NOMINAL STRENGTHS OF WIRE ROPE

6 x 37 Classification/Bright (Uncoated), IWRC

Nominal Diameter		Approximate Mass		Nominal Strength*			
				Improved Plow Steel**		Extra Imp. Plow Steel**	
inches	mm	lb/ft	kg/m	tons	metric tonnes	tons	metric tonnes
1/4	6.4	0.12	0.17	2.94	2.67	3.4	3.08
5/16	8	0.18	0.27	4.58	4.16	5.27	4.78
3/8	9.5	0.26	0.39	6.56	5.95	7.55	6.85
7/16	11.5	0.35	0.52	8.89	8.07	10.2	9.25
1/2	13	0.46	0.68	11.5	10.4	13.3	12.1
5/8	14.5	0.59	0.88	14.5	13.2	16.8	15.2
3/4	16	0.72	1.07	17.9	16.2	20.6	18.7
7/8	19	1.04	1.55	25.6	23.2	29.4	26.7
1	22	1.42	2.11	34.6	31.4	39.5	36.1
1 1/8	26	1.85	2.75	44.9	40.7	51.7	46.9
1 1/4	29	2.34	3.48	56.5	51.3	65.0	59.0
1 1/2	32	2.89	4.30	69.4	63.0	79.9	72.5
1 3/8	35	3.50	5.21	83.5	75.7	96.0	87.1
1 1/2	38	4.16	6.19	98.9	89.7	114	103
1 5/8	42	4.88	7.26	115	104	132	120
1 3/4	45	5.67	8.44	133	121	153	139
1 7/8	48	6.5	9.67	152	138	174	158
2	52	7.39	11.0	172	156	198	180
2 1/8	54	8.35	12.4	192	174	221	200
2 1/4	57	9.36	13.9	215	195	247	224
2 3/8	60	10.4	15.5	239	217	274	249
2 1/2	64	11.6	17.3	262	238	302	274
2 5/8	67	12.8	19.0	288	261	331	300
2 3/4	70	14.0	20.8	314	285	361	327
2 7/8	74	15.3	22.8	341	309	392	356
3	77	16.6	24.7	370	336	425	386
3 1/8	80	18.0	26.8	399	362	458	415
3 1/4	83	19.5	29.0	429	389	492	446
3 3/8	86	21.0	31.3	459	416	529	480
3 1/2	90	22.7	33.8	491	445	564	512
3 5/8	96	24.3	36.2	523	458	602	528
3 3/4	103	26.0	38.7	557	505	641	581

*To convert to Kilonewtons (kN), multiply tons (nominal strength) by 8.896; 1 lb = 4.448 newtons (N).

**Available with galvanized wires at strengths 10% lower than listed, or at equivalent strengths on special request.

Note: For four of the listed diameters, 1/4" through 3/8" with two-operation strands, the given nominal strengths will be reduced by approximately 5 1/2%.