1×19 WSC Wire Rope

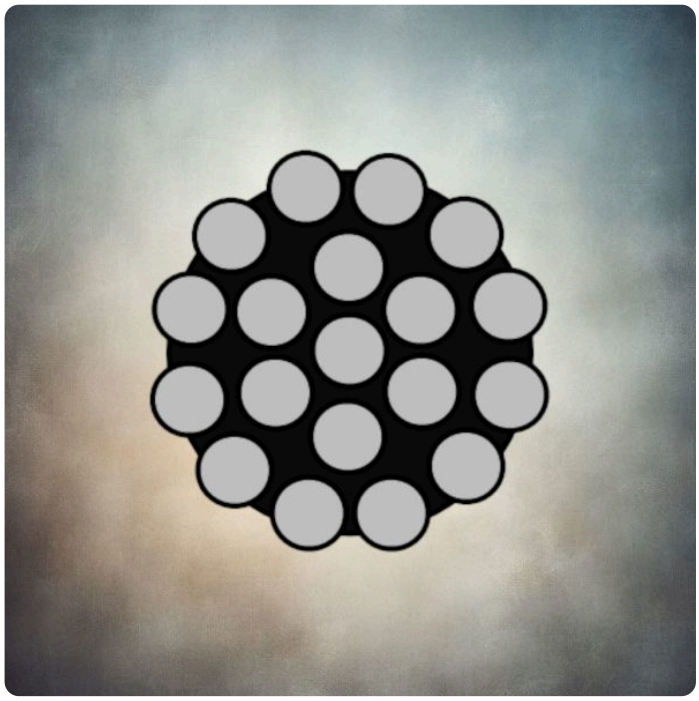
Conforms to EN 12385-4

High-Strength Strand

Our **1×19 WSC** wire rope, conforming to EN 12385-4, consists of a single strand with 19 individual wires. This construction is engineered to provide high strength and minimal stretch, making it ideal for standing rigging, bracing, and architectural applications where low elasticity is crucial.

This rope is available in two finishes: **Galvanised Steel** (1960 N/mm²) for rust resistance in general environments, and **AISI 316 Grade Stainless Steel** (1570 N/mm²) for superior corrosion resistance in harsh or marine conditions. It is supplied with a Right Hand Ordinary Lay (RHOL).





Technical Specifications & Minimum Breaking Loads

The following table outlines the key specifications for our range of 1×19 WSC wire rope, including diameter, weight, and Minimum Breaking Load (MBL) for both Galvanised and Stainless Steel options.

Diameter (mm)	Approx. Mass (kg/m)	Galvanised 1960 N/mm²		Stainless 1570 N/mm²	
		MBL (kN)	MBL (kg)	MBL (kN)	MBL (kg)
1.00	0.005	1.03	105	0.82	84
1.20	0.007	1.48	151	1.19	121
1.30	0.008	1.74	177	-	-
1.50	0.011	2.32	237	1.85	189
1.60	0.013	2.63	269	-	-

Diameter (mm)	Approx. Mass (kg/m)	Galvanised 1960 N/mm²		Stainless 1570 N/mm²	
		MBL (kN)	MBL (kg)	MBL (kN)	MBL (kg)
1.80	0.016	3.33	340	2.67	272
2.00	0.019	4.12	420	3.30	337
2.30	0.026	5.44	555	4.36	445
2.50	0.031	6.43	656	5.15	525
3.00	0.045	9.26	944	7.42	757
4.00	0.079	16.46	1678	13.19	1345
5.00	0.124	25.73	2624	20.61	2102
6.00	0.178	37.00	3773	29.70	3029
7.00	0.242	50.40	5139	40.40	4120
8.00	0.317	65.90	6720	52.80	5384
9.00	0.400	83.30	8494	66.80	6812
10.00	0.495	102.90	10493	82.40	8402
11.00	0.599	124.50	12695	99.70	10167
12.00	0.713	148.20	15112	118.70	12104
14.00	0.970	201.70	20568	161.60	16479
16.00	1.260	263.40	26859	211.00	21516
19.00	1.780	371.00	37831	298.00	30388
22.00	2.390	498.00	50782	399.00	40687

Disclaimer: The information provided is for guidance and reference purposes only. The Minimum Breaking Load (MBL) should never be considered a safe working load. A suitable factor of safety (FOS) must be applied by a competent person to determine the safe working load for any given application. All lifting equipment should be thoroughly inspected before each use. Deacon Products assumes no liability for the misuse or misapplication of this information or our products.