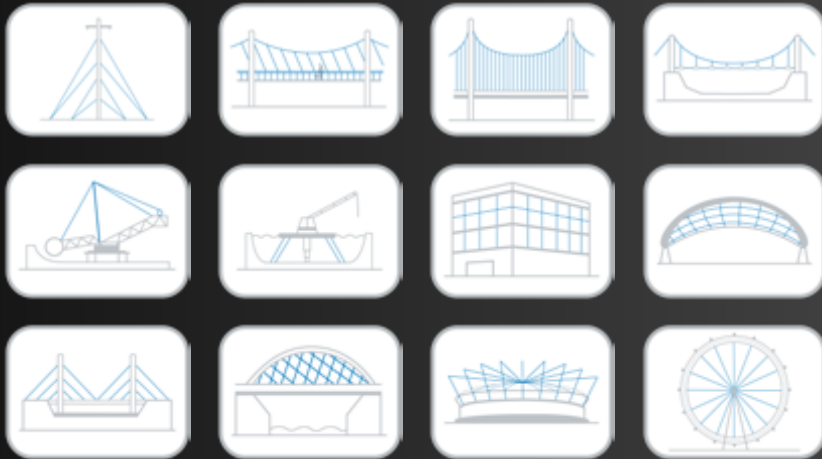
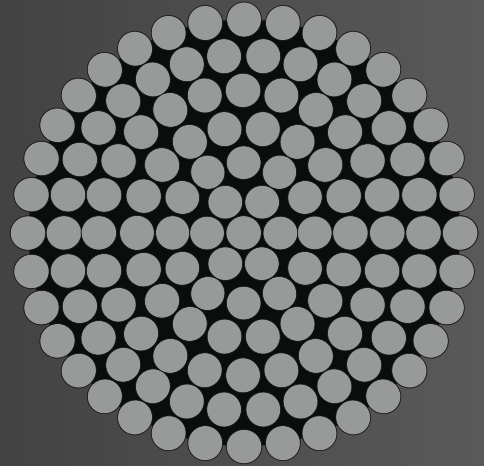


Fatzer Spiral Strand is constructed with round wires. With parallel wire core and one or more individual layers of wire. All wires are arranged in a helical geometry with a both left hand and right hand lay to minimise torque.



FATZER® 

Material	High-tensile stainless steel wire (inox) 1.4401 (AISI 316) to DIN EN 10264-4 (1.4436, 1.4462 on request)
Modulus of Elasticity	130 kN/mm ² ± 10 kN/mm ²
Tolerance on Diameter	0% / +3%
Socketing	d=6-36mm: Swaging to German Technical Approval Z-14.7-431 d=40-135mm: Spelter to DIN EN 13411-4 with Resin (e.g. WIRElock®)
Corrosion Protection	Stainless Steel (inox), no blocking compound

Breaking Load Table

Nominal Diameter	Minimum Breaking Loads	Charact. Breaking Load	Design Load	Nom. Metallic Cross Section	Stiffness	Weight
[mm]	[kN]	[kN]	[kN]	[mm ²]	[MN]	[kg/m]
6	31.8	28.6	19.1	22.0	2.86	0.2
8	56.3	50.7	33.8	39.0	5.07	0.3
10	87.7	79.0	52.6	60.7	7.90	0.5
12	127	114	76.3	88.0	11.4	0.7
14	173	155	104	120	15.5	1.0
16	216	194	129	154	20.1	1.3
18	276	248	165	197	25.6	1.6

Breaking Load Table Continued

Nominal Diameter	Minimum Breaking Loads	Charact. Breaking Load	Design Load	Nom. Metallic Cross Section	Stiffness	Weight
[mm]	[kN]	[kN]	[kN]	[mm ²]	[MN]	[kg/m]
20	340	306	204	244	31.7	2.0
22	410	369	246	293	38.1	2.4
24	489	440	294	350	45.5	2.9
26	572	515	343	410	53.3	3.4
28	662	596	397	474	61.6	3.9
30	753	677	452	545	70.8	4.5
32	854	769	513	618	80.4	5.1
34	968	871	581	701	91.1	5.7
36	1083	975	650	784	102	6.4
38	1086	1086	724	838	109	6.9
40	1198	1198	799	929	121	7.7
45	1517	1517	1011	1180	153	9.8
50	1873	1873	1248	1450	189	12
55	2266	2266	1511	1750	228	14
60	2706	2706	1804	2090	272	17
65	3165	3165	2110	2450	319	21
70	3680	3680	2453	2840	369	24