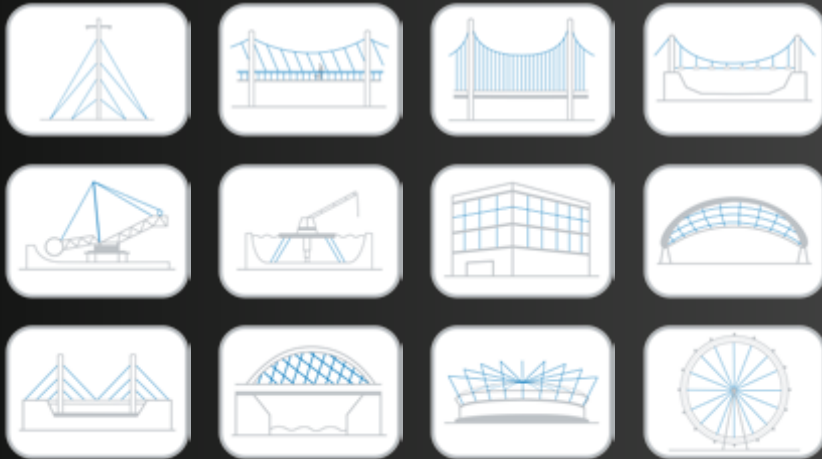
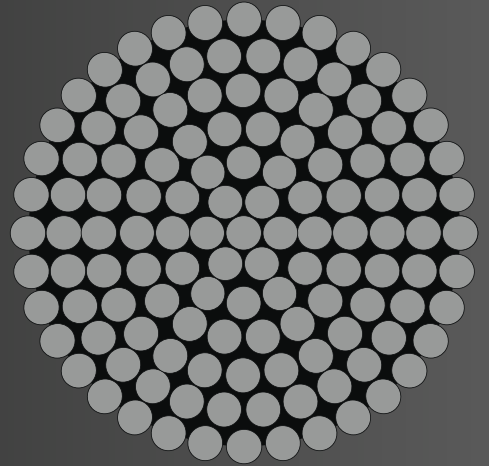


Fatzer Spiral Strand is constructed with round wires. With parallel wire core and one or more individual layers of wire. All wires are arranged in a helical geometry with a both left hand and right hand lay to minimise torque.



FATZER® 

Material	High-tensile non alloy steel wire to DIN EN 10264-2
Modulus of Elasticity	160 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®) or Metal (e.g. Zamak)
Corrosion Protection	Zn95Al5 coated wires (e.g. galfan®), 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	37.7	33.9	22.6	22.0	3.52	0.2
8	67.5	60.7	40.5	39.4	6.31	0.3
10	105	94.4	62.9	61.3	9.81	0.5
12	150	135	90.3	87.9	14.1	0.7
14	204	184	123	119	19.1	1.0
16	266	240	160	156	24.9	1.3
18	331	298	199	198	31.6	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	408	368	245	244	39.0	2.0
22	494	445	297	295	47.3	2.4
24	591	532	355	353	56.5	2.9
26	693	624	416	414	66.3	3.4
28	792	713	475	479	76.6	3.9
30	907	816	544	548	87.7	4.5
32	1034	931	620	625	99.9	5.1
34	1169	1052	702	706	113	5.8
36	1298	1168	779	793	127	6.5
40	1450	1450	967	929	149	7.7
45	1830	1830	1220	1180	189	9.8
50	2260	2260	1507	1450	232	12
55	2730	2730	1820	1750	280	15
60	3250	3250	2167	2090	334	17
65	3810	3810	2540	2450	392	20
70	4430	4430	2953	2840	454	24
75	5080	5080	3387	3260	522	27
80	5790	5790	3860	3710	594	31
85	6530	6530	4353	4190	670	35
90	7320	7320	4880	4700	752	39
95	8160	8160	5440	5240	838	44
100	9040	9040	6027	5800	928	48
105	9990	9990	6660	6400	1024	53
110	10900	10900	7267	7020	1123	58
115	12000	12000	8000	7680	1229	64
120	13000	13000	8667	8360	1338	69
125	14100	14100	9400	9060	1450	75
130	15300	15300	10200	9810	1570	81
135	16500	16500	11000	10600	1696	88