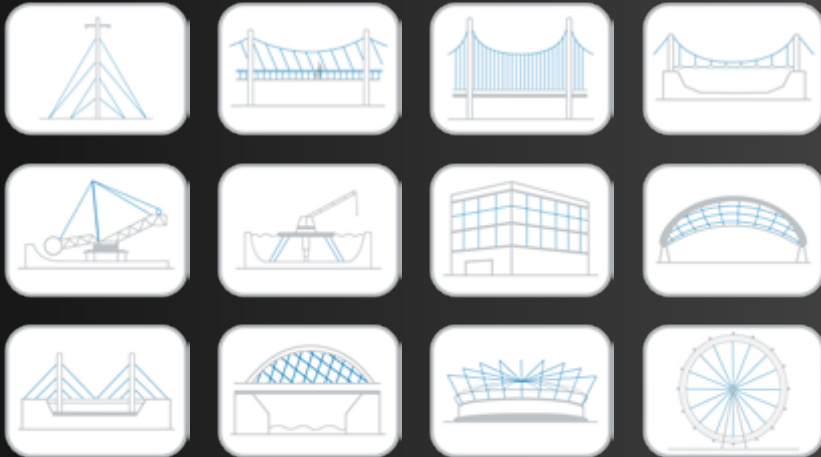
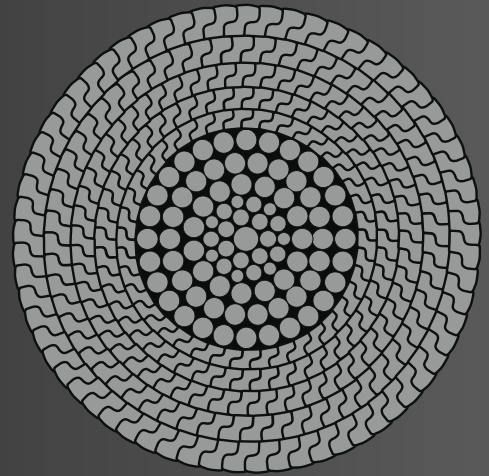


# FULL LOCKED COIL (FLC) STAINLESS STEEL

Full Locked Coil has a round parallel wire core, the exterior is fully locked due to z-shaped wires. All wires are arranged in a helical geometry. The structure is made of a combination of 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 <sup>2</sup> ± 10 kN/mm <sup>2</sup>
Tolerance on Diameter	0% / +3%
Socketing	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 <sup>2</sup> ]	[MN]	[kg/m]
25	520	520	347	438	57.0	3.6
30	748	748	499	633	82.3	5.2
35	1020	1020	680	859	112	7.0
40	1380	1380	920	1104	144	9.1
45	1740	1740	1160	1411	183	12
50	2150	2150	1433	1740	226	14
55	2640	2640	1760	2168	282	18
60	3140	3140	2093	2589	337	21

## 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 <sup>2</sup> ]	[MN]	[kg/m]
65	3680	3680	2453	2982	388	24
70	4270	4270	2847	3419	444	28
75	4900	4900	3267	3913	509	32
80	5580	5580	3720	4420	575	36