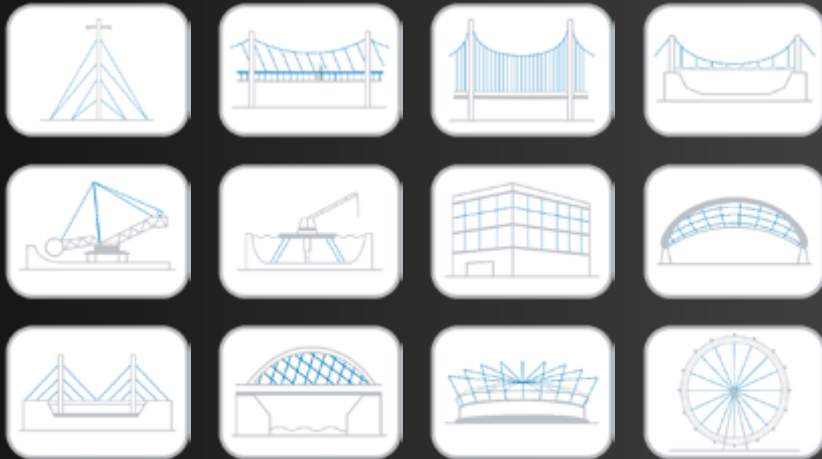
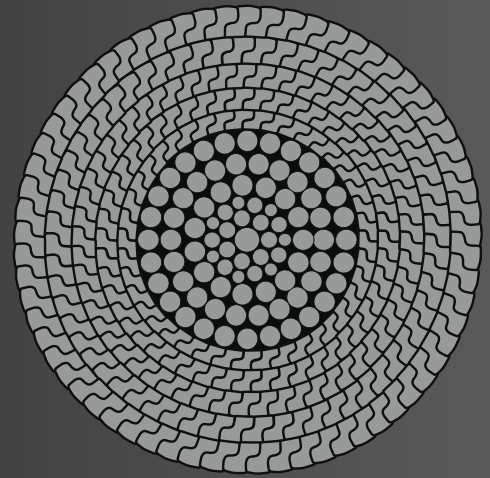


Full Locked Coil has a round parallel wire core, the exterior is fully locked due to z-shaped wires. All wires are arranged in a helical geometry. The structure is made of a combination of left hand and right hand lay to minimise torque.



**FATZER** 

Material	High-tensile non alloy steel wire to DiN EN 10264-2 (round wire) and to DiN EN 10264-3 (Z-shaped wire)
Modulus of Elasticity	160 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®) or Metal (e.g. Zamak)
Corrosion Protection	Inner layers: Hot dip galvanised wires and zinc rich blocking compound - (Trulub A11®). Outer two layers: Zn95Al5 coated Z-shaped 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 <sup>2</sup> ]	[MN]	[kg/m]
25	596	596	397	438	70.1	3.6
30	858	858	572	633	101	5.3
35	1170	1170	780	859	137	7.1
40	1580	1580	1053	1104	177	9.2
45	2000	2000	1333	1411	226	12
50	2470	2470	1647	1740	278	14

**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]
55	3020	3020	2013	2168	347	18
60	3590	3590	2393	2589	414	22
65	4220	4220	2813	2982	477	25
70	4890	4890	3260	3419	547	29
75	5620	5620	3747	3913	626	33
80	6390	6390	4260	4420	707	37
85	7210	7210	4807	4995	799	42
90	8090	8090	5393	5561	890	46
95	9110	9110	6073	6148	984	51
100	10100	10100	6733	6760	1082	56
105	11100	11100	7400	7650	1224	64
110	12200	12200	8133	8464	1354	71
115	13400	13400	8933	9114	1458	76
120	14500	14500	9667	9913	1586	83
125	15800	15800	10533	10701	1712	89
130	16200	16200	10800	11469	1835	96
135	17400	17400	1160W0	12368	1979	103