

TECHNICAL DATA SHEET

Spiral rope anchors

Spiral rope anchors		Typ I	Typ II	Typ III	Typ IV
Nominal rope diameter	[mm]	10.5	14.5	18.5	22.5
Breaking load anchor	[kN]	180	350	525	765
Recommended borehole diameter min.	[mm]	55	70	90	90
Weight, L = 1 m	[kg]	1.8	3.8	6.6	10.5
Weight / meter additional length	[kg]	1.0	2.0	3.3	4.8
A	[mm]	83	104	138	180
B	[mm]	40	50	70	95
Shackle size for connection min.		5/8"	3/4"	7/8"	1"

Rope material		Typ I	Typ II	Typ III	Typ IV
Nominal rope diameter	[mm]	10.5	14.5	18.5	22.5
Minimum breaking load spiral rope	[kN]	100	195	315	470
Wire tensile strength	[N/mm ²]	1770			
Coating (100% Zn)		Galvanized according to EN 10244-2, class A			
Diameter of outer wire	[mm]	2.15	2.95	3.75	4.55
Zinc coating	[g/m ²]	230	255	265	280
Wire rope standard (spiral rope construction 1x19)		EN 12385-10			

Tube material		Typ I	Typ II	Typ III	Typ IV
Outer tube		S 195T, EN 10255			
Diameter / thickness	[mm]	(1/2") 21.3 / 2.65	(3/4") 26.9 / 2.65	(1") 33.7 / 3.25	(1 1/4") 42.4 / 3.25
Yield strength R _{eH}	[N/mm ²]	195			
Hot dip galvanized according to EN 10240	[μm]	average 55			
Inner tube		E 235, EN 10305-3			
Diameter / thickness	[mm]	14 / 1.0	20 / 2.0	25 / 2.0	32 / 2.0
Yield strength R _{eH}	[N/mm ²]	225			235
Hot dip galvanized according to EN 10240	[μm]	average 55			

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