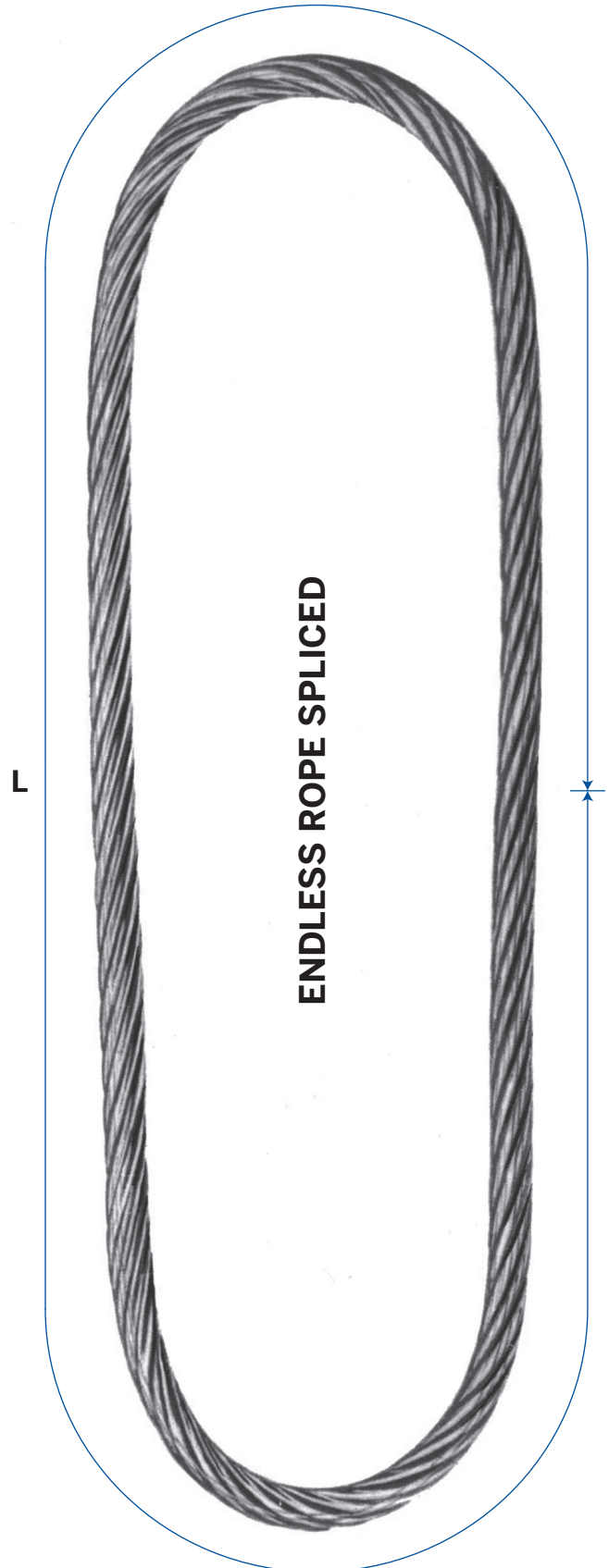
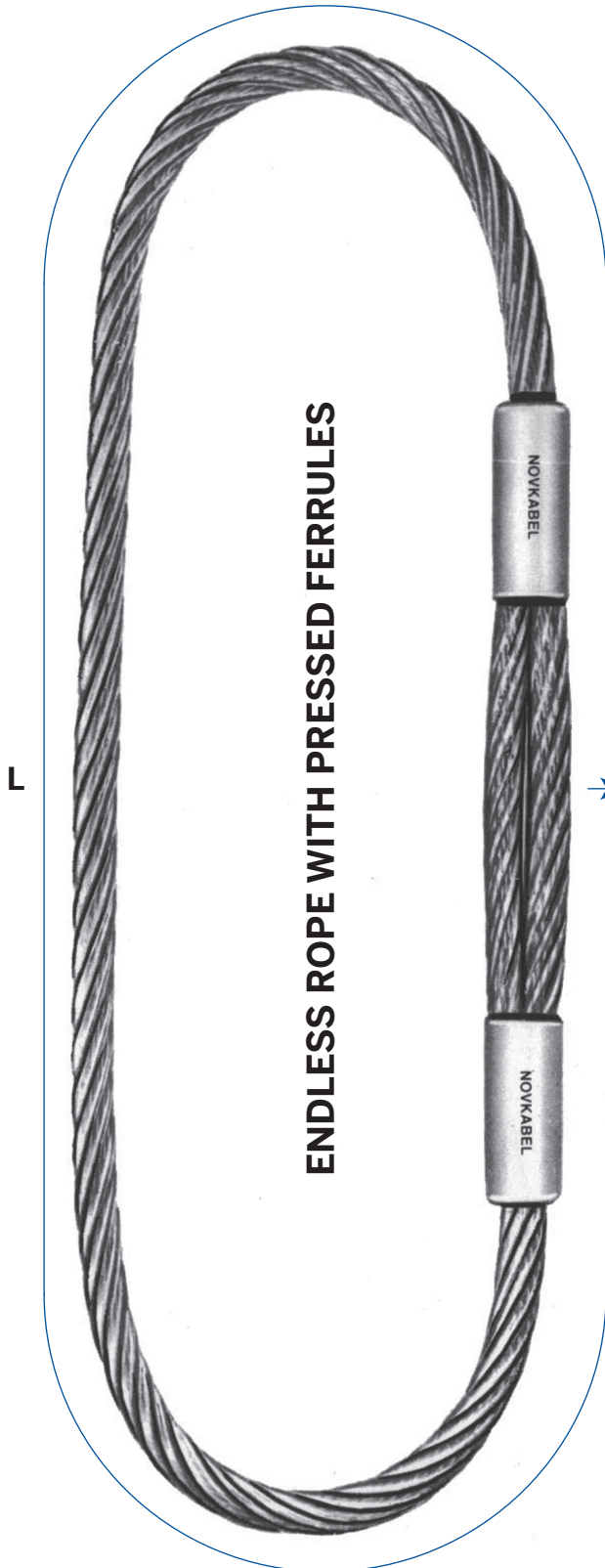



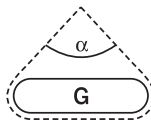
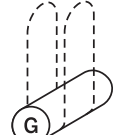
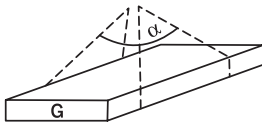
# Endless ropes

Factor of safety: **6**

Standard: **DIN 3088**



# Endless ropes

Nom. rope dia. d mm	Calc. break. load of the rope kN	Unit weight of the rope kg/m	Permitted load kg								
			Two – shank enveloped load with an angle $\alpha$ between the shanks				Four – shank enveloped load with an angle $\alpha$ between the shanks				
							0°	above 0° to 45°	ab. 45° to 90°	ab. 90° to 120°	0°
2	2,61	0,0143	89	82	63	44	177	164	125	89	
3	5,69	0,0311	193	179	137	97	387	357	273	193	
4	10,10	0,0554	343	317	243	172	686	634	485	343	
5	15,80	0,0865	537	496	380	268	1074	992	759	537	
6	22,80	0,125	775	716	548	387	1549	1431	1096	775	
7	31,00	0,170	1053	973	745	527	2107	1946	1490	1053	
8	40,50	0,221	1376	1271	973	688	2752	2543	1946	1376	
9	51,20	0,280	1740	1607	1230	870	3479	3215	2460	1740	
10	63,30	0,346	2151	1987	1521	1075	4302	3974	3042	2151	
11	76,50	0,416	2599	2402	1838	1300	5199	4803	3673	2599	
12	91,10	0,498	3095	2860	2189	1548	6191	5720	4378	3095	
13	107	0,585	3636	3359	2571	1818	7271	6718	5142	3636	
14	124	0,678	4213	3893	2979	2107	8427	7785	5959	4213	
16	162	0,886	5505	5086	3892	2752	11009	10171	7785	5505	
18	205	1,12	6966	6435	4925	3483	13931	12871	9851	6966	
20	253	1,38	8597	7942	6079	4298	17193	15885	12158	8597	
22	306	1,67	10398	9606	7352	5199	20795	19212	14704	10398	
24	364	1,99	12368	11427	8746	6184	24737	22854	17491	12368	
26	428	2,34	14543	13436	10283	7271	29086	26872	20567	14543	
28	496	2,71	16854	15571	11917	8427	33707	31141	23835	16854	
30	569	3,21	19334	17862	13671	9667	38668	35725	27342	19334	
32	648	3,54	22018	20342	15569	11009	44037	40685	31139	22018	
34	731	4,19	24839	22948	17564	12419	49677	45896	35127	24839	
36	820	4,48	27863	25742	19702	13931	55725	51484	39404	27863	
40	1010	5,54	34319	31706	24267	17159	68637	63413	48534	34319	
44	1220	6,70	41454	38299	29313	20727	82909	76598	58625	41454	
48	1460	7,97	49609	45833	35079	24805	99218	91666	70158	49609	
52	1710	9,36	58104	53681	41086	29052	116208	107362	82171	58104	
56	1980	10,90	67278	62157	47573	33639	134557	124314	95146	67278	
60	2280	12,50	77472	71575	54781	38736	154944	143150	109562	77472	