



### BREAKING LOADS

Nominal Diameter	Approximate Mass	Minimum Breaking Loads			
		1770 Mpa		1960 Mpa	
[mm]	[kg/m]	[kN]	[Kg]	[kN]	[Kg]
10	0.359	58.41	5,957	64.68	6,597
11	0.434	70.68	7,208	78.26	7,982
12	0.517	84.11	8,579	93.14	9,500
13	0.607	98.71	10,068	109.31	11,149
14	0.704	114.48	11,677	126.77	12,930
16	0.919	149.53	15,252	165.58	16,889
18	1.163	189.25	19,303	209.56	21,375
20	1.436	233.64	23,831	258.72	26,389
22	1.738	282.70	28,835	313.05	31,931
24	2.068	336.44	34,317	372.56	38,000
26	2.427	394.85	40,274	437.24	44,598
28	2.815	457.93	46,709	507.09	51,723
30	3.231	525.69	53,620	582.12	59,376
32	3.676	598.12	61,008	662.32	67,556
34	4.150	675.22	68,872	747.70	76,265
36	4.653	756.99	77,213	838.25	85,501
38	5.184	843.44	86,030	933.98	95,265
40	5.744	934.56	95,325	1034.88	105,557
42	6.333	1030.35	105,095	1140.96	116,377