

LIFTFLEX 6F

A high quality wire rope with good bending fatigue values, good bending properties, Liftflex 6F is mostly used as a Governor rope.



BRUNTON
WIRE ROPES
THE SPECIALIST



Constructions

6x19S, 6x25F, 6x19W

Core

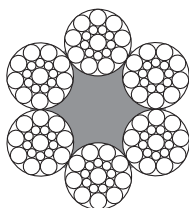
Fibre core

Range

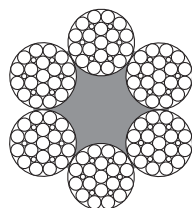
6mm - 22 mm

Rope grade1180/1770, 1370/1770
1570, 1770**MBF**

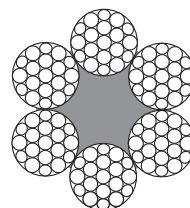
16.3 - 425.5 kN



6 x 19S (9-9-1) + FC



6 x 25F (12-6F-6-1) + FC



6 x 19W (6+6-6-1) + FC

Typical applications

Governor Ropes

TABLE 1 As per ISO 4344

Nominal Rope Diameter	#Equiv Nominal Rope Diameter	Approx. Mass	Minimum Breaking Force			
			Rope Grade			
			Dual Tensile		Single Tensile	
			*1180/1770	1370/1770	1570	**1770
mm	inch	kg/100m	kN	kN	kN	kN
6		13.0	16.3	17.8	18.7	21
6.3	1/4	14.4	17.9	-	-	23.2
6.5		15.4	19.1	20.9	21.9	24.7
8	5/16	23.5	28.9	31.7	33.2	37.4
9		28.9	36.6	40.1	42	47.3
9.5	3/8	32.2	40.8	44.7	46.8	52.7
10		35.9	45.2	49.5	51.8	58.4
11	7/16	43.7	54.7	59.9	62.7	70.7
12		51.3	65.1	71.3	74.6	84.1
12.7	1/2	58.1	72.9	79.8	83.6	94.2
13		61.0	76.4	83.7	87.6	98.7
14		70.4	88.6	97	102	114
14.3	9/16	73.4	92.4	-	-	119
15		81.1	102	111	117	131
16	5/8	91.9	116	127	133	150
17.5	11/16	110.0	138	-	-	179
18		116.4	146	160	168	189
19	3/4	130.0	163	179	187	211
20		144.1	181	198	207	234
20.6	13/16	152.0	192	-	-	248
22	7/8	174.0	219	240	251	283

Note: Rope sizes and breaking force not shown in the table, may be available on request and prior confirmation.

#Equivalent Nominal Rope Diameter ('inch') is for reference only as the same has been superseded by metric units (mm)

* 1180/1770 rope grade is equivalent to Traction steel grade, 1370/1770 may also be used

** 1770 rope grade is equivalent to EHS steel grade

TABLE 8 As per ISO EN 12385-5

Nominal Rope Diameter	Approx. Mass	Minimum Breaking Force			
		Rope Grade			
		Dual Tensile		Single Tensile	
		1180/1770	1370/1770	1570	1770
mm	kg/100m	kN	kN	kN	kN
6	13.0	16.3	17.8	18.7	21
6.5	15.4	19.1	20.9	21.9	24.7
8	23.5	28.9	31.7	33.2	37.4
9	28.9	36.6	40.1	42	47.3
10	35.9	45.2	49.5	51.8	58.4
11	43.7	54.7	59.9	62.7	70.7
12	51.3	65.1	71.3	74.6	84.1
13	61.0	76.4	83.7	87.6	98.7
14	70.4	88.6	97	102	114
15	81.1	102	111	117	131
16	91.9	116	127	133	150
18	116.4	146	160	168	189
19	130.0	163	179	187	211
20	144.1	181	198	207	234
22	174.0	219	240	251	283

Note: Rope sizes and breaking force not shown in the table, may be available on request and prior confirmation.

TABLE 9 US Customary Units

Wire Rope conforms to the applicable sections of ISO 4344

Nominal Rope Diameter	#Equiv Nominal Rope Diameter	Approx. Mass	Minimum Breaking Force			
			Rope Grade			
			Dual Tensile		Single Tensile	
			*1180/1770	1370/1770	1570	**1770
inch	mm	lb./ft.	lbs.	lbs.	lbs.	lbs.
1/4	6.3	0.10	4020	4420	4620	5220
5/16	8	0.16	6500	7130	7460	8410
3/8	9.5	0.22	9170	10050	10520	11850
7/16	11	0.29	12300	13470	14100	15890
1/2	12.7	0.39	16390	17940	18800	21180
9/16	14.3	0.49	20770	22760	23820	26750
5/8	16	0.62	26080	28550	29900	33720
11/16	17.5	0.74	31030	34080	35670	40240
3/4	19	0.87	36650	40240	42040	47440
13/16	20.6	1.02	43170	47230	49430	55760
7/8	22	1.17	49240	53960	56430	63620
15/16	23.8	1.37	57620	63090	66030	74450
1	25.4	1.56	65580	71800	75150	84720
1-1/16	27	1.76	74040	81070	84850	95660

Note: Rope sizes and breaking force not shown in the table, may be available on request and prior confirmation.

#Equivalent Nominal Rope Diameter ('mm') is for reference only

* 1180/1770 rope grade is equivalent to Traction steel grade, 1370/1770 may also be used

** 1770 rope grade is equivalent to EHS steel grade



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