

TABLE 1 Breaking Strength Requirements

Description and Diameter of Strand				Breaking Strength of Strand, lbf (kN)	Steel Area of Strand, in. ² (mm ²)	Weight of Strand lbs/1000ft (kg/1000m)
in.	mm					
Description	Nominal Diameter	Description	Nominal Diameter			
Grade 270 (1860 MPa)						
3 x 0.118	0.256	3 x 3.00	6.5	8910 (39.6)	0.033 (21.3)	112.0 (167.0)
3 x 0.138	0.295	3 x 3.50	7.5	12 150 (54.0)	0.045 (29.0)	153.0 (228.0)
3 x 0.158	0.340	3 x 4.00	8.6	15 660 (69.7)	0.058 (37.4)	200.6 (298.4)

TABLE 2 Yield Strength Requirements

Description and Diameter of Strand				Initial Load, lbf (kN)	Minimum Load at 1% Extension
in.	mm				Low Relaxation lbf (kN)
Description	Nominal Diameter	Description	Nominal Diameter		
Grade 270 (1860 MPa)					
3 x 0.118	0.256	3 x 3.00	6.5	891 (4.0)	8019 (36.0)
3 x 0.138	0.295	3 x 3.50	7.5	1205 (5.4)	10 125 (45.0)
3 x 0.158	0.340	3 x 4.00	8.6	1566 (7.0)	14 094 (62.7)