

Table H - 18 (a)  
Polyester Rope Slings  
[Angle of rope to vertical shown in parentheses]

Rope  Dia. Normal In (in.)	Nominal  Weight per 100 ft. in (lbs.)	Minimum  Breaking Strength in (lbs.)	Rated Capacity in pounds (Safety factor=9)					
			Eye to Eye Sling					
			Vertical Hitch	Choker Hitch	Basket Hitch; Angle of Rope to			
					Horizontal	90° (0°)	60° (30°)	45° (45°)
1/2	4.7	3,990	650	350	1,300	1,200	950	650
9/16	6.1	4,845	800	400	1,600	1,400	1,100	800
5/8	7.5	5,890	1,000	500	2,000	1,700	1,400	1,000
3/4	10.7	8,075	1,300	700	2,700	2,300	1,900	1,300
13/16	12.7	9,405	1,600	800	3,100	2,700	2,200	1,600
7/8	15.0	10,925	1,800	900	3,600	3,200	2,600	1,800
1	18.0	13,300	2,200	1,100	4,400	3,800	3,100	2,200
1 1/16	20.4	15,200	2,500	1,300	5,100	4,400	3,600	2,500
1 1/8	23.7	17,385	2,900	1,500	5,800	5,000	4,100	2,900
1 1/4	27.0	19,950	3,300	1,700	6,700	5,800	4,700	3,300
1 5/16	30.5	22,325	3,700	1,900	7,400	6,400	5,300	3,700
1 1/2	38.5	28,215	4,700	2,400	9,400	8,100	6,700	4,700
1 5/8	47.5	34,200	5,700	2,900	11,500	9,900	8,100	5,700
1 3/4	57.0	40,850	6,800	3,400	13,500	12,000	9,600	6,800
2	69.0	49,400	8,200	4,100	16,500	14,500	11,500	8,200
2 1/8	80.0	57,950	9,700	4,800	19,500	16,500	13,500	9,700
2 1/4	92.0	65,550	11,000	5,500	22,000	19,000	15,500	11,000
2 1/2	107.0	76,000	12,500	6,300	25,500	22,000	18,000	12,500
2 5/8	120.0	85,500	14,500	7,100	28,500	24,500	20,000	14,500