

Table H - 17 (b)
 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) | | | | | |
|------------------------------------|---|--|--|-----------------|--|--------------|--------------|--------------|
| | | | Endless Sling | | | | | |
| | | | Vertical Hitch | Choker Hitch | Basket Hitch; Angle of Rope Horizontal to | | | |
| | | | | | 90° (0°) | 60° (30°) | 45° (45°) | 30° (60°) |
| 1/2 | 8.0 | 6,080 | 1,200 | 600 | 2,400 | 2,100 | 1,700 | 1,200 |
| 9/16 | 10.2 | 7,600 | 1,500 | 750 | 3,000 | 2,600 | 2,200 | 1,500 |
| 5/8 | 13.0 | 9,500 | 1,900 | 950 | 3,800 | 3,300 | 2,700 | 1,900 |
| 3/4 | 17.5 | 11,875 | 2,400 | 1,200 | 4,800 | 4,100 | 3,400 | 2,400 |
| 13/16 | 21.0 | 14,725 | 2,900 | 1,500 | 5,900 | 5,100 | 4,200 | 2,900 |
| 7/8 | 25.0 | 17,100 | 3,400 | 1,700 | 6,800 | 5,900 | 4,800 | 3,400 |
| 1 | 30.5 | 20,900 | 4,200 | 2,100 | 8,400 | 7,200 | 5,900 | 4,200 |
| 1 1/16 | 34.5 | 24,225 | 4,800 | 2,400 | 9,700 | 8,400 | 6,900 | 4,800 |
| 1 1/8 | 40.0 | 28,025 | 5,600 | 2,800 | 11,000 | 9,700 | 7,900 | 5,600 |
| 1 1/4 | 46.3 | 31,540 | 6,300 | 3,200 | 12,500 | 11,000 | 8,900 | 6,300 |
| 1 5/16 | 52.5 | 35,625 | 7,100 | 3,600 | 14,500 | 12,500 | 10,000 | 7,100 |
| 1 1/2 | 66.8 | 44,460 | 8,900 | 4,400 | 18,000 | 15,500 | 12,500 | 8,900 |
| 1 5/8 | 82.0 | 54,150 | 11,000 | 5,400 | 21,500 | 19,000 | 15,500 | 11,000 |
| 1 3/4 | 98.0 | 64,410 | 13,000 | 6,400 | 26,000 | 22,500 | 18,000 | 13,000 |
| 2 | 118.0 | 76,000 | 15,000 | 7,600 | 30,500 | 26,500 | 21,500 | 15,000 |
| 2 1/8 | 135.0 | 87,400 | 17,500 | 8,700 | 35,000 | 30,500 | 24,500 | 17,500 |
| 2 1/4 | 157.0 | 101,650 | 20,500 | 10,000 | 40,500 | 35,000 | 29,000 | 20,500 |
| 2 1/2 | 181.0 | 115,900 | 23,000 | 11,500 | 46,500 | 40,000 | 33,000 | 23,000 |
| 2 5/8 | 205.0 | 130,150 | 26,000 | 13,000 | 52,000 | 45,000 | 37,000 | 26,000 |