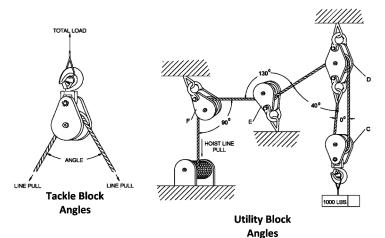
- WAC 296-155-33925 Rigging blocks. (1) The rigging block components must be fully engaged, with all fasteners and retaining devices in place and in good working order before use.
- (2) The rope must be in the sheave groove when the rigging block begins to take load.
- (3) The load line multiplied by the block load factor must not exceed the rated load of the rigging block. (See Figure 28, Block Load Factor Multipliers.)
- (4) Load line fittings must not contact the rigging block sheave(s).



2.00 1.99	100°	1.29
1.99	4400	
	110°	1.15
1.97	120°	1.00
1.93	130°	.84
1.87	135°	.76
1.84	140°	.68
1.81	150°	.52
1.73	160°	.35
1.64	170°	.17
1.53	180°	.00
1.41	_	_
	1.93 1.87 1.84 1.81 1.73 1.64 1.53 1.41	1.93 130° 1.87 135° 1.84 140° 1.81 150° 1.73 160° 1.64 170° 1.53 180°

Block Load = Line Pull X Multiplier Factor

Example: Load = 1,000 lb

Line Pull: 1,000 lb ÷ 2 = 500 lb

Load Block "C" = 500 lb x 2 = 1,000 lb

(line pull x factor for 0 deg. angle)

Load Block "D" = 500 lb x 1.87 + 500 lb = 1,435 lb

(line pull x factor for 40 deg. angle + dead-end load)

Load Block "E" = 500 lb x 0.84 = 420 lb

(line pull x factor for 130 deg. angle)

Load Block "F" = 500 lb x 1.41 = 705 lb

(line pull x factor for 90 deg. angle)

Figure 28

Block Load Factor Multipliers

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060 and chapter 49.17 RCW, and 29 C.F.R. 1926, Subpart CC. WSR 13-02-068, § 296-155-33925, filed 12/31/12, effective 2/1/13.1