

Uplift Spacing Table

ALLOWABLE UPLIFT AT QT SPACING (LB)

QT Spacing	Rafters/Trusses at 16" o.c.						Rafters/Trusses at 24" o.c.					
	QT with 2-1/4" Edge Distance			QT with No Edge Condition			QT with 2-1/4" Edge Distance			QT with No Edge Condition		
	QTB	QT Connector to Top Plate	QTG	QT Connector to Top Plate	QTG	QT Connector to Top Plate	QTB	QT Connector to Top Plate	QTG	QT Connector to Top Plate	QTG	QT Connector to Top Plate
1'-4" (16")	1,909	(2) MTS12	2,839	(2) HTS16	3,182	(2) HTS16	1,909	(2) MTS16	2,839	(2) HTS16	3,182	(2) HTS16
2'-0" (24")	1,273	(1) HTS16 or (2) HA6	1,893	(2) MTS12	2,121	(2) MTS12	1,909	(2) MTS12	2,839	(2) HTS16	3,182	(2) HTS16
2'-8" (32")	955	(1) MTS12 or (1) HA10	1,420	(1) HTS16	1,591	(1) HTS16	1,432	(1) HTS16	2,129	(2) MTS12	2,387	(2) HTS16
4'-0" (48")	636	(1) HA6	946	(1) MTS12 or (1) HA10	1,061	(1) MTS12 or (1) HA10	954	(1) MTS12 or (1) HA10	1,420	(1) HTS16	1,591	(1) HTS16
5'-4" (64")	477	(1) HA6	710	(1) MTS12 or (1) HA10	796	(1) MTS12 or (1) HA10	716	(1) MTS12 or (1) HA10	1,065	(1) MTS12 or (1) HA10	1,193	(1) HTS16 or (2) HA6
6'-0" (72")	424	(1) HA6	631	(1) HA6	707	(1) MTS12 or (1) HA10	636	(1) HA6	946	(1) MTS12 or (1) HA10	1,061	(1) MTS12 or (1) HA10
6'-8" (80")	382	(1) HA6	568	(1) HA6	636	(1) HA6	573	(1) HA6	852	(1) MTS12 or (1) HA10	955	(1) MTS12 or (1) HA10
8'-0" (96")	318	(1) HA6	473	(1) HA6	530	(1) HA6	400	(1) HA6	710	(1) MTS12 or (1) HA10	796	(1) MTS12 or (1) HA10

NOTES:

1. Use only QuickTie System materials as specified and supplied by QuickTie Products, Inc.
2. Min. edge distance = 2-1/4 in., Min. end distance = 7 in., Min. Embedment = 5 in. and Min. concrete strength = 2,500 psi.
3. The maximum allowable design load with 2-1/4 in. edge distance for QTB(L) is 1,909 lb and QTG(L) is 2,839 lb.
4. The maximum allowable design load with no edge condition for QTB(L) is 1,909 lb and QTG(L) is 3,182 lb.
5. If the cable spacing is 4 ft or greater and no structural sheathing is provided, (1) LS18 strap shall be installed at mid-spacing to prevent top plate bending.
6. The allowable uplift load ($C_D = 1.6$) per connector with Southern Pine ($SG = 0.55$) lumber and 10d x 1-1/2" nails:
 - a. HA6 = 650 lb, MTS12 = 1,085 lb, HA10 = 1,140 lb and HTS16 = 1,665 lb.