



ASCE 7-05 Exposure B Span and Cantilever Chart in Inches for flush mount of UD with 66" Maximum Module Length and building height ≤30 feet

Snow Load, Pg (psf)	Wind Speed (mph)										Roof Pitch				
	90	100	105	110	120	130	140	150	160	170		180			
0	186	170	163	156	144	134	125	118	111	104	99	104	99	43	0 ≤ 7°
10	163	154	150	146	139	132	125	118	111	104	99	104	99	43	
15	149	142	139	136	130	124	119	113	109	104	99	104	99	43	
20	138	133	130	127	122	118	113	108	104	100	96	100	96	42	
25	129	125	123	120	116	112	108	104	100	97	93	97	93	41	
30	122	118	116	114	111	107	103	100	97	93	89	93	89	40	
40	109	107	106	105	102	99	96	93	91	88	85	88	85	39	
50	98	98	98	97	95	92	90	88	85	83	81	83	81	37	
60	90	90	90	90	89	87	85	83	81	79	77	79	77	36	
0	194	178	170	164	151	141	132	123	116	110	104	110	104	44	7° < 0 ≤ 27°
10	167	159	155	151	143	136	130	123	116	110	104	110	104	44	
15	152	146	143	139	134	128	122	117	113	108	104	108	104	44	
20	140	135	133	130	125	121	116	112	108	104	100	104	100	43	
25	131	127	125	123	119	115	111	107	103	100	96	100	96	42	
30	124	120	118	116	113	109	106	103	99	96	93	96	93	41	
40	109	109	108	106	104	101	98	95	93	90	88	90	88	39	
50	98	98	98	98	96	94	92	90	87	85	83	85	83	38	
60	90	90	90	90	90	88	86	85	83	81	79	81	79	36	
0	186	170	163	156	144	134	125	118	111	104	99	104	99	43	27° < 0 ≤ 45°
10	163	154	150	146	139	132	125	118	111	104	99	104	99	43	
15	149	142	139	136	130	124	119	113	109	104	99	104	99	43	
20	138	133	130	127	122	118	113	108	104	100	96	100	96	42	
25	129	125	123	120	116	112	108	104	100	97	93	97	93	41	
30	122	118	116	114	111	107	103	100	97	93	89	93	89	40	
40	109	107	106	105	102	99	96	93	91	88	85	88	85	39	
50	98	98	98	97	95	92	90	88	85	83	81	83	81	37	
60	90	90	90	90	89	87	85	83	81	79	77	79	77	36	

Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact PLP for consultation.

ASCE 7-05 Exposure B Span and Cantilever Chart in Inches for flush mount of UD with 77" Maximum Module Length and building height ≤30 feet

Snow Load, Pg (psf)	Wind Speed (mph)										Roof Pitch				
	90	100	105	110	120	130	140	150	160	170		180			
0	172	157	151	145	134	124	116	109	102	97	92	102	92	40	0 ≤ 7°
10	151	143	139	135	128	122	116	109	102	97	92	102	92	40	
15	138	132	129	126	120	115	110	105	101	96	92	101	92	40	
20	128	123	120	118	113	109	104	100	96	93	89	96	89	40	
25	120	115	113	111	107	104	100	96	93	89	86	93	86	39	
30	113	109	108	106	102	99	96	93	89	86	84	89	84	38	
40	101	99	98	97	94	92	89	86	84	81	79	81	79	36	
50	91	91	91	90	88	86	83	81	79	77	75	79	75	34	
60	83	83	83	83	82	81	79	77	75	73	72	73	72	33	
0	180	164	158	151	140	130	122	114	108	102	96	108	96	42	7° < 0 ≤ 27°
10	155	147	143	140	133	126	120	114	108	102	96	108	96	42	
15	141	135	132	129	124	118	113	109	104	100	96	104	96	42	
20	130	125	123	121	116	112	108	103	100	96	92	100	92	41	
25	121	118	116	114	110	106	103	99	96	92	89	96	89	40	
30	114	111	109	108	105	101	98	95	92	89	86	92	86	39	
40	101	101	100	98	96	93	91	88	86	83	81	83	81	37	
50	91	91	91	91	89	87	85	83	81	79	77	79	77	35	
60	83	83	83	83	83	82	80	78	77	75	73	75	73	34	
0	172	157	151	145	134	124	116	109	102	97	92	102	92	40	27° < 0 ≤ 45°
10	151	143	139	135	128	122	116	109	102	97	92	102	92	40	
15	138	132	129	126	120	115	110	105	101	96	92	101	92	40	
20	128	123	120	118	113	109	104	100	96	93	89	96	89	40	
25	120	115	113	111	107	104	100	96	93	89	86	93	86	39	
30	113	109	108	106	102	99	96	93	89	86	84	89	84	38	
40	101	99	98	97	94	92	89	86	84	81	79	81	79	36	
50	91	91	91	90	88	86	83	81	79	77	75	79	75	34	
60	83	83	83	83	82	81	79	77	75	73	72	73	72	33	

Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact PLP for consultation.