



ASCE 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of UD rail with 66" Maximum Module Length and building height ≤30

Snow Load, Pg (psf)	Windspeed (mph)												Roof Pitch
	105	110	115	120	130	140	150	160	165	170	180	200	
0	175	169	162	156	145	136	128	120	117	113	107	97	0 ≤ 7°
10	62	61	59	58	55	53	50	48	48	47	45	42	
15	58	57	56	55	54	52	50	48	48	47	45	42	
20	55	54	53	53	51	50	48	47	46	46	45	42	
25	52	52	51	50	49	48	47	46	45	45	44	41	
30	50	50	49	49	47	46	45	44	44	43	43	41	
40	48	48	47	47	46	45	44	43	43	42	41	40	
50	45	45	45	44	43	43	42	41	41	40	40	38	
60	42	42	42	42	41	41	40	40	39	39	38	37	
0	183	176	170	164	152	143	134	126	123	119	113	102	7° < 0 ≤ 27°
10	64	63	61	60	57	54	52	50	49	48	47	43	
15	59	58	57	56	55	53	52	50	49	48	47	43	
20	56	55	54	54	52	51	49	48	47	46	46	43	
25	53	52	51	51	49	48	47	46	45	45	44	42	
30	51	50	50	49	48	47	46	45	44	44	43	42	
40	49	48	48	47	47	46	45	44	44	43	42	41	
50	45	45	45	45	44	43	43	42	41	41	40	39	
60	42	42	42	42	42	41	41	40	40	39	39	38	
0	175	169	162	156	145	136	128	120	117	113	107	97	27° < 0 ≤ 45°
10	62	61	59	58	55	53	50	48	48	47	45	42	
15	58	57	56	55	54	52	50	48	48	47	45	42	
20	55	54	53	53	51	50	48	47	46	46	45	42	
25	52	52	51	50	49	48	47	46	45	45	44	41	
30	50	50	49	49	47	46	45	44	44	43	43	41	
40	48	48	47	47	46	45	44	43	43	42	41	40	
50	45	45	45	44	43	43	42	41	41	40	40	38	
60	42	42	42	42	41	41	40	40	39	39	38	37	

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 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of UD rail with 77" Maximum Module Length and building height ≤30

Snow Load, Pg (psf)	Windspeed (mph)												Roof Pitch
	105	110	115	120	130	140	150	160	165	170	180	200	
0	162	156	150	145	135	126	118	111	108	105	99	90	0 ≤ 7°
10	59	58	56	55	52	50	48	46	45	44	43	40	
15	55	54	53	53	51	49	48	46	45	44	43	40	
20	52	51	51	50	49	47	46	45	44	44	42	40	
25	50	49	48	48	47	46	45	44	43	43	41	39	
30	48	47	47	46	45	44	43	42	42	41	40	39	
40	46	45	45	45	44	43	42	41	41	40	39	38	
50	43	43	42	42	41	41	40	39	39	38	38	36	
60	40	40	40	40	39	39	38	38	37	37	36	34	
0	170	163	157	151	141	132	124	117	113	110	105	95	7° < 0 ≤ 27°
10	61	60	58	57	54	52	49	48	47	46	44	41	
15	56	55	54	54	52	50	49	47	47	46	44	41	
20	53	52	52	51	50	48	47	46	45	45	43	41	
25	50	50	49	49	47	46	45	44	44	43	42	40	
30	48	47	47	46	45	44	43	42	42	41	40	39	
40	46	45	45	45	44	43	42	41	41	40	39	38	
50	43	43	42	42	41	41	40	39	39	38	38	36	
60	40	40	40	40	39	39	38	38	37	37	36	34	
0	162	156	150	145	135	126	118	111	108	105	99	90	27° < 0 ≤ 45°
10	59	58	56	55	52	50	48	46	45	44	43	40	
15	55	54	53	53	51	49	48	46	45	44	43	40	
20	52	51	51	50	49	47	46	45	44	44	42	40	
25	50	49	48	48	47	46	45	44	43	43	41	39	
30	48	47	47	46	45	44	43	42	42	41	40	39	
40	46	45	45	45	44	43	42	41	41	40	39	38	
50	43	43	42	42	41	41	40	39	39	38	38	36	
60	40	40	40	40	39	39	38	38	37	37	36	34	

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.