



ASCE 7-10 Exposure B Span and Cantilever Chart in Inches for flush mount of P8 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	143	138	133	128	120	112	106	100	97	94	89	81	0 ≤ 7°	
10	121	119	116	114	109	105	101	97	95	93	89	81		
15	110	108	106	104	101	97	94	91	89	87	84	79		
20	101	100	98	97	94	91	88	86	84	83	80	75		
25	94	93	92	91	88	86	84	81	80	79	77	72		
30	89	88	87	86	84	82	80	78	77	76	74	70		
40	78	78	78	78	76	75	73	71	71	70	68	65		
50	70	70	70	70	70	69	68	67	66	65	64	61		
60	64	64	64	64	64	64	64	63	62	62	60	58		
0	150	144	139	134	125	118	111	104	102	99	94	85		7° < 0 ≤ 27°
10	124	122	119	117	112	108	104	100	98	96	93	85		
15	112	110	108	107	103	100	96	93	92	90	87	82		
20	103	101	100	99	96	94	90	88	86	85	83	78		
25	96	95	93	92	90	88	85	83	82	81	79	75		
30	89	89	88	87	85	83	81	79	78	77	75	72		
40	78	78	78	78	77	76	74	73	72	71	70	67		
50	70	70	70	70	70	70	69	68	67	66	65	63		
60	64	64	64	64	64	64	64	63	63	62	61	59		
0	143	138	133	128	120	112	106	100	97	94	89	81	27° < 0 ≤ 45°	
10	121	119	116	114	109	105	101	97	95	93	89	81		
15	110	108	106	104	101	97	94	91	89	87	84	79		
20	101	100	98	97	94	91	88	86	84	83	80	75		
25	94	93	92	91	88	86	84	81	80	79	77	72		
30	89	88	87	86	84	82	80	78	77	76	74	70		
40	78	78	78	78	76	75	73	71	71	70	68	65		
50	70	70	70	70	70	69	68	67	66	65	64	61		
60	64	64	64	64	64	64	64	63	62	62	60	58		

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 B Span and Cantilever Chart in Inches for flush mount of P8 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	133	128	123	119	111	104	98	92	90	87	83	75	0 ≤ 7°	
10	116	113	111	108	104	99	95	91	89	87	83	75		
15	106	104	102	100	96	93	89	86	84	83	80	74		
20	98	97	95	93	90	87	85	82	80	79	76	72		
25	89	89	89	88	85	83	80	78	77	76	73	69		
30	82	82	82	82	81	79	77	75	74	73	71	67		
40	72	72	72	72	72	72	71	69	68	68	66	63		
50	65	65	65	65	65	65	65	65	64	63	62	59		
60	59	59	59	59	59	59	59	59	59	59	59	56		
0	139	133	129	124	116	109	102	97	94	92	87	79		7° < 0 ≤ 27°
10	119	116	114	111	107	102	98	94	93	91	87	79		
15	108	106	104	102	99	95	92	89	87	86	83	77		
20	99	98	97	95	92	90	87	84	83	81	79	74		
25	89	89	89	89	87	85	82	80	79	78	75	71		
30	82	82	82	82	82	81	79	78	77	76	73	69		
40	72	72	72	72	72	72	72	71	70	70	67	64		
50	65	65	65	65	65	65	65	65	65	65	63	61		
60	59	59	59	59	59	59	59	59	59	59	59	58		
0	133	128	123	119	111	104	98	92	90	87	83	75	27° < 0 ≤ 45°	
10	116	113	111	108	104	99	95	91	89	87	83	75		
15	106	104	102	100	96	93	89	86	84	83	80	74		
20	98	97	95	93	90	87	85	82	80	79	76	72		
25	89	89	89	88	85	83	80	78	77	76	73	69		
30	82	82	82	82	81	79	77	75	74	73	71	67		
40	72	72	72	72	72	72	71	69	68	68	66	63		
50	65	65	65	65	65	65	65	65	64	63	62	59		
60	59	59	59	59	59	59	59	59	59	59	59	56		

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.