



PREFORMED LINE PRODUCTS

Power Rail™: MD
Code: ASCE 7-05
Exposure: C



ASCE 7-05 Exposure C Span and Cantilever Chart in Inches for flush mount of MD with 66" Maximum Module Length and building height ≤30 feet												
	Wind Speed (mph)											
Snow Load, Pg (psf)	90	100	105	110	120	130	140	150	160	170	180	Roof Pitch
0	238	217	208	199	184	170	159	149	140	132	125	θ ≤ 7°
10	221	208	201	195	184	170	159	149	140	132	125	
15	205	194	189	184	175	166	158	149	140	132	125	
20	192	183	179	174	166	159	151	145	138	132	125	
25	181	173	170	166	159	152	146	140	134	129	124	
30	172	165	162	159	153	147	141	135	130	125	121	
40	157	152	149	147	142	137	132	128	123	119	115	
50	145	141	139	137	133	129	125	121	117	114	110	7° < θ ≤ 27°
60	134	133	131	129	126	122	119	116	112	109	106	
0	250	228	218	209	193	179	167	156	147	139	131	
10	228	215	208	202	191	179	167	156	147	139	131	
15	210	200	195	190	180	171	163	156	147	139	131	
20	196	187	183	179	171	164	156	150	143	137	131	
25	185	177	174	170	163	157	150	144	139	133	128	
30	175	169	166	162	156	151	145	140	134	129	125	
40	159	154	152	150	145	140	136	131	127	123	119	27° < θ ≤ 45°
50	146	143	141	140	136	132	128	124	120	117	113	
60	134	134	133	131	128	125	121	118	115	112	109	
0	238	217	208	199	184	170	159	149	140	132	125	
10	221	208	201	195	184	170	159	149	140	132	125	
15	205	194	189	184	175	166	158	149	140	132	125	
20	192	183	179	174	166	159	151	145	138	132	125	
25	181	173	170	166	159	152	146	140	134	129	124	
30	172	165	162	159	153	147	141	135	130	125	121	
40	157	152	149	147	142	137	132	128	123	119	115	
50	145	141	139	137	133	129	125	121	117	114	110	
60	134	133	131	129	126	122	119	116	112	109	106	

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 C Span and Cantilever Chart in Inches for flush mount of MD with 77" Maximum Module Length and building height ≤30 feet												
	Wind Speed (mph)											
Snow Load, Pg (psf)	90	100	105	110	120	130	140	150	160	170	180	Roof Pitch
0	221	201	192	184	170	158	147	138	129	122	116	θ ≤ 7°
10	205	192	187	181	170	158	147	138	129	122	116	
15	190	180	175	170	162	153	146	138	129	122	116	
20	178	169	165	161	154	147	140	134	128	122	116	
25	168	161	157	154	147	141	135	129	124	119	114	
30	159	153	150	147	141	136	130	125	120	116	112	
40	145	141	138	136	131	127	122	118	114	110	106	7° < θ ≤ 27°
50	134	131	129	127	123	119	116	112	109	105	102	
60	124	123	121	120	116	113	110	107	104	101	98	
0	231	211	202	193	179	166	155	145	136	129	122	
10	211	199	193	187	177	166	155	145	136	129	122	
15	195	185	180	176	167	159	151	144	136	129	122	
20	182	174	170	166	158	151	145	139	133	127	122	
25	171	164	161	158	151	145	139	134	128	123	119	
30	162	156	153	150	145	139	134	129	124	120	116	27° < θ ≤ 45°
40	147	143	141	139	134	130	126	121	117	114	110	
50	135	133	131	129	126	122	118	115	112	108	105	
60	124	124	123	121	118	115	112	109	106	104	101	
0	221	201	192	184	170	158	147	138	129	122	116	
10	205	192	187	181	170	158	147	138	129	122	116	
15	190	180	175	170	162	153	146	138	129	122	116	
20	178	169	165	161	154	147	140	134	128	122	116	
25	168	161	157	154	147	141	135	129	124	119	114	
30	159	153	150	147	141	136	130	125	120	116	112	
40	145	141	138	136	131	127	122	118	114	110	106	
50	134	131	129	127	123	119	116	112	109	105	102	
60	124	123	121	120	116	113	110	107	104	101	98	

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.