

Sag and Tension Characteristics For 2x22 ADP NMS

Heavy Loading Conditions

Span Length (feet)	Stringing Sag (inches)	Stringing Tension (lbf)	Loaded Cable Sag		Loaded Cable Tension (lbf)	Sag After Load Removed (inches)
			Vertical (inches)	Horizontal (inches)		
50	6	25	16	13	132	6.1
75	9	38	28	22	172	9.7
100	12	50	42	33	205	13.7
125	15	63	58	46	231	20.7
150	18	75	76	60	256	27.7
175	21	88	94	75	279	35.5
200	24	100	113	90	303	42.8
225	27	113	133	105	327	50.5
250	30	125	154	122	348	58.9
275	33	138	176	139	370	67.3

Medium Loading Conditions

Span Length (feet)	Stringing Sag (inches)	Stringing Tension (lbf)	Loaded Cable Sag		Loaded Cable Tension (lbf)	Sag After Load Removed (inches)
			Vertical (inches)	Horizontal (inches)		
50	6	25	10	13	86	6.0
75	9	38	17	21	115	9.1
100	12	50	24	30	141	12.2
125	15	63	33	41	165	15.5
150	18	75	41	51	188	18.8
175	21	88	50	63	209	22.6
200	24	100	60	75	228	26.9
225	27	113	71	89	246	31.7
250	30	125	83	104	259	38.7
275	33	138	95	118	275	44.6
300	36	150	107	133	290	50.2
325	39	163	120	150	302	58.9
350	42	175	134	168	314	68.3
375	45	188	148	186	326	76.6
400	48	200	163	204	337	85.9

Light Loading Conditions

Span Length (feet)	Stringing Sag (inches)	Stringing Tension (lbf)	Loaded Cable Sag		Loaded Cable Tension (lbf)	Sag After Load Removed (inches)
			Vertical (inches)	Horizontal (inches)		
50	6	25	3	11	50	6.0
75	9	38	5	17	69	9.0
100	12	50	7	25	86	12.1
125	15	63	9	32	103	15.1
150	18	75	11	40	118	18.1
175	21	88	14	48	134	21.2
200	24	100	16	57	149	24.2
225	27	113	19	65	164	27.3
250	30	125	21	74	178	30.4
275	33	138	24	83	192	33.8
300	36	150	26	93	205	37.5
325	39	163	29	103	217	41.4
350	42	175	32	113	230	45.5
375	45	188	35	123	241	49.8
400	48	200	38	134	252	54.3