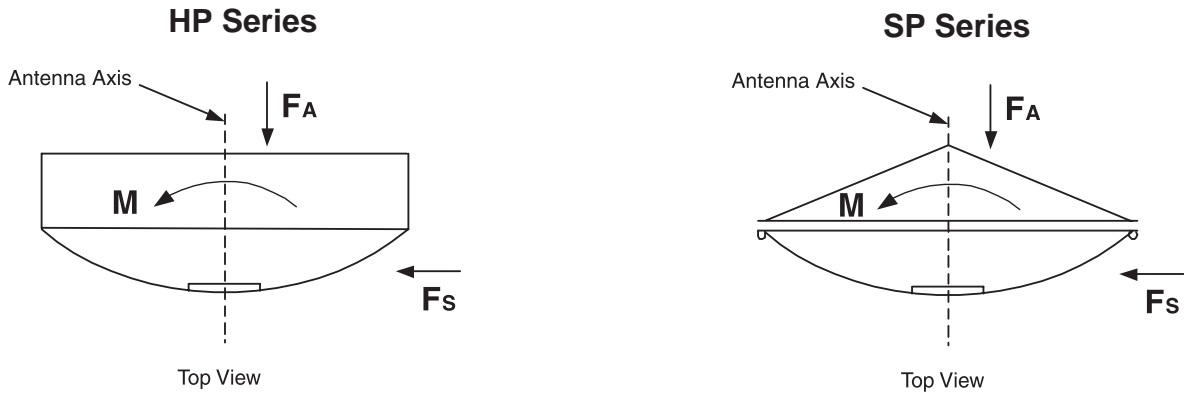


ANTENNA WIND FORCES AND LOADS

HP & SP SERIES



*Dimensions = Inches/cm

Antenna Windloading		2' (0.6m)		3' (90 cm)	
1' (0.3m) (HPLP1 & HPCPE)					
Fa Max	46 lbs. (204N)	Fs max	202 lbs. (899N)	Fs max	403 lbs. (1792N)
Fs Max	13 lbs. (58N)	Fs max	100 lbs. (445N)	Fs max	200 lbs. (890N)
MT Max	27 ft-lbs. (36N)	MT max	194 ft-lbs. (263Nm)	MT max	344 ft-lbs. (466Nm)

SP Series Windloading

		Without Radome		Without Radome	
Fa Max	46 lbs. (204N)	Fa max	222 lbs. (988N)	Fa max	492 lbs. (2189N)
Fs Max	13 lbs. (58N)	Fs max	14 lbs. (62N)	Fs max	40 lbs. (178N)
		MT max	225 lbs. (305Nm)	MT max	545 lbs. (739Nm)
		With Radome		With Radome	
		Fa max	122 lbs. (543N)	Fa max	271 lbs. (1206N)
		Fs max	24 lbs. (107N)	Fs max	64 lbs. (285N)
		MT max	194 ft-lbs. (263Nm)	MT max	394 ft-lbs. (534Nm)

Antenna Windloading		6' (1.8m)		8' (2.4m)	
4' (1.2m)					
Fa max	737 lbs. (3278N)	Fa max	1680 lbs. (7473N)	Fa max	2773 lbs. (12334N)
Fs max	365 lbs. (1623N)	Fs max	832 lbs. (3700N)	Fs max	1422 lbs. (6325N)
MT Max	784 ft-lbs. (1063Nm)	MT max	2100 ft-lbs. (2847Nm)	MT max	4400 ft-lbs. (5965Nm)

SP Series Windloading

Without Radome		Without Radome		Without Radome	
Fa max	855 lbs. (3803N)	Fa max	1768 lbs. (7865N)	Fa max	3795 lbs. (16940N)
Fs max	45 lbs. (200N)	Fs max	98 lbs. (436N)	Fs max	1115 lbs. (4980N)
MT Max	1120 ft-lbs. (1518Nm)	MT max	2270 ft-lbs. (3077Nm)	MT max	4800 ft-lbs. (6508Nm)
With Radome		With Radome		With Radome	
Fa max	469 lbs. (2087N)	Fa max	973 lbs. (4329N)	Fa max	2773 lbs. (12334N)
Fs max	93 lbs. (414N)	Fs max	162 lbs. (721N)	Fs max	1422 lbs. (6325N)
MT max	784 ft-lbs. (1063Nm)	MT max	2100 ft-lbs. (2847Nm)	MT max	4400 ft-lbs. (5966Nm)