

RFS parabolic antenna

Towerload due to wind and ice

HTX 06SP

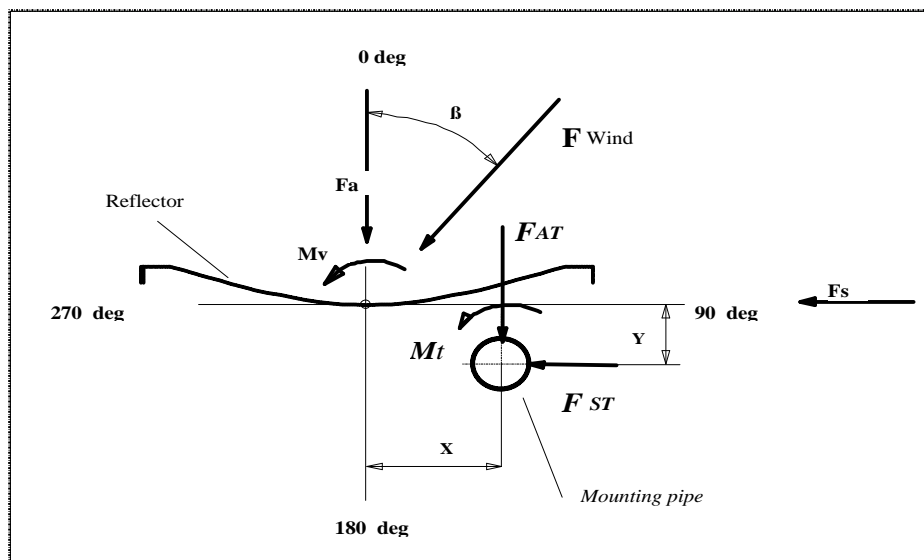
Productseries: SlimLine
 Antenna type: Standard Performance
 RFS-Code: SP, SPX
 Antenna size: 6 ft

1. Towerload due to wind:

Forces and Twisting Moment at the mounting pipe for a windvelocity of:
 Please note, that the individual maximums may not occur simultaneously.

200 km/h

			Pipe 114mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]
0	9109	0	1594
30	9215	-355	1025
56	9900	970	996
90	0	2035	2199
120	-2620	2910	2030
150	-4365	2425	1264
180	-6305	0	-1103
210	-4365	-2425	-2792
240	-2620	-2910	-2947
270	0	-2035	-2199
304	9900	-970	2468
330	9215	355	2201
345	9050	384	2026
Maximum (F max. ; M max.):	9900	2910	2947



2. Towerload due to antenna weight with and without ice:

Thickness of the radial ice-layer [mm]	0	10	20	30
Antenna weight (approx.) [kg]	70	135	200	265