

RFS parabolic antenna

Towerload due to wind and ice

HTX 04SP

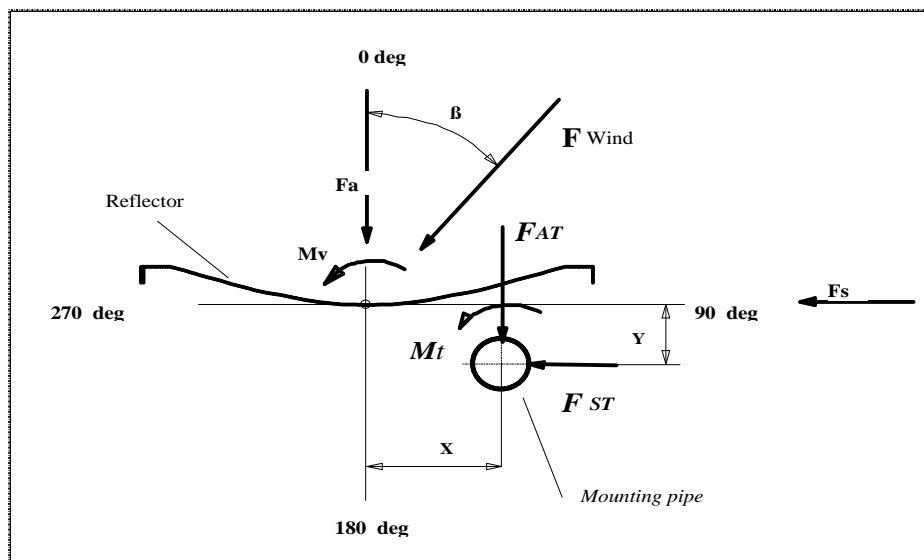
Productseries: SlimLine
 Antenna type: Standard Performance
 RFS-Code: SP, SPX
 Antenna size: 4 ft

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	3998	0	1159
30	4045	-156	1013
56	4345	426	1016
90	0	893	576
120	-1150	1277	299
150	-1916	1064	-42
180	-2767	0	-803
210	-1916	-1064	-1070
240	-1150	-1277	-966
270	0	-893	-576
304	4345	-426	1504
330	4045	156	1333
345	3972	169	1269
Maximum (F max. ; M max.):			4345 1277 1504



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]	24	55	86	117