

RFS parabolic antenna

Towerload due to wind and ice

HTX 06SU/1

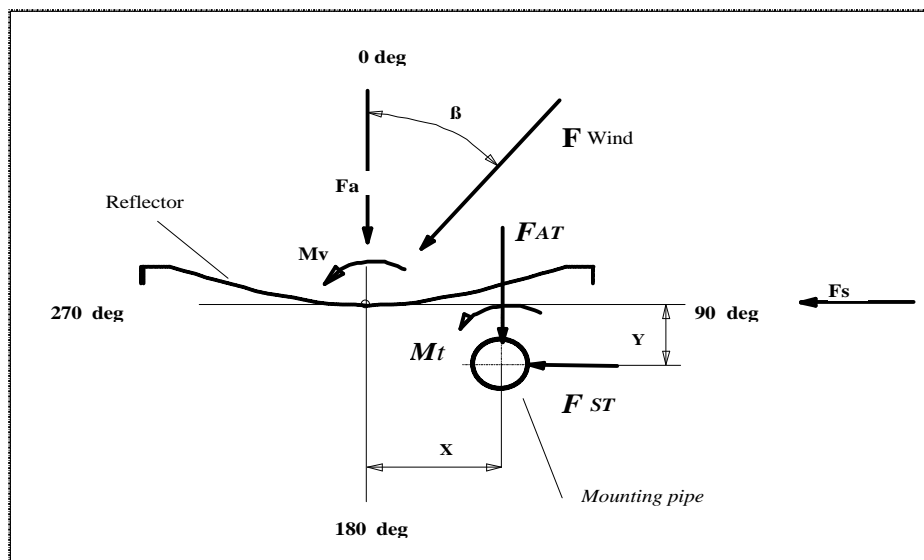
Productseries: SlimLine
 Antenna type: High Performance
 RFS-Code: SU, SUX
 Antenna size: 6 ft

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	7500	0	1310
30	7200	1400	1050
60	5620	2180	1510
90	-650	3710	2130
120	-4230	2600	1240
150	-5690	1050	40
180	-6040	0	-1060
210	-5690	-1050	-2030
240	-4230	-2600	-2730
270	-650	-3710	-2360
300	5620	-2180	460
330	7200	-1400	1470
345	7460	-810	1510
Maximum (F max. ; M max.):	7500	3710	2730



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]	110	192	275	357