

RFS parabolic antenna

Towerload due to wind and ice

HTX 04SU

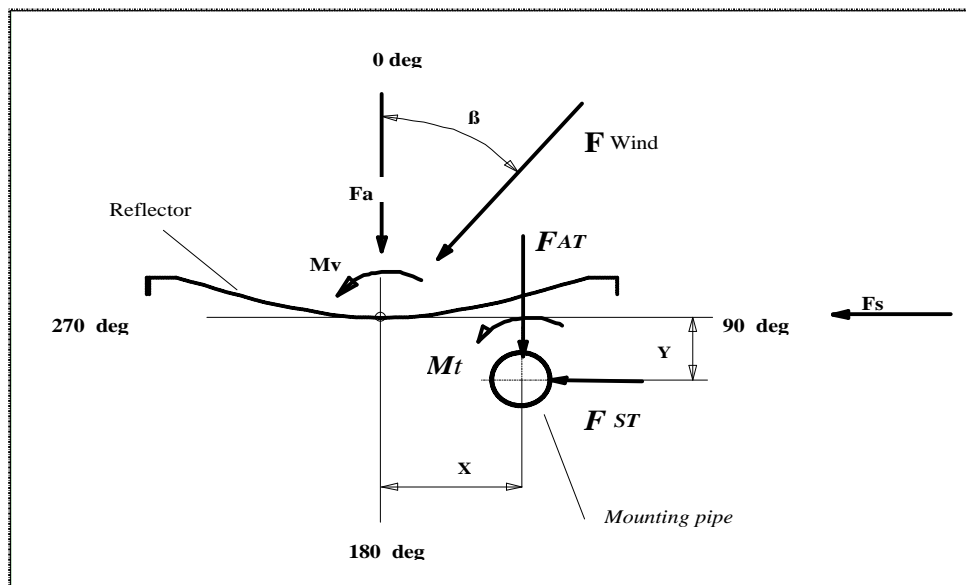
Productseries: SlimLine
 Antenna type: High Performance
 RFS-Code: SU, SUX
 Antenna size: 4 ft

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	3323	0	964
30	3115	649	796
60	2466	909	801
90	-337	1519	389
120	-1921	1064	-60
150	-2555	213	-519
180	-2882	0	-836
210	-2555	-213	-963
240	-1921	-1064	-1054
270	-337	-1519	-584
300	2466	-909	629
330	3115	-649	1011
Maximum (F max. ; M max.):	3323	1519	1054



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]	35	69	104	138