

RFS parabolic antenna

Towerload due to wind and ice

HTX 02SU

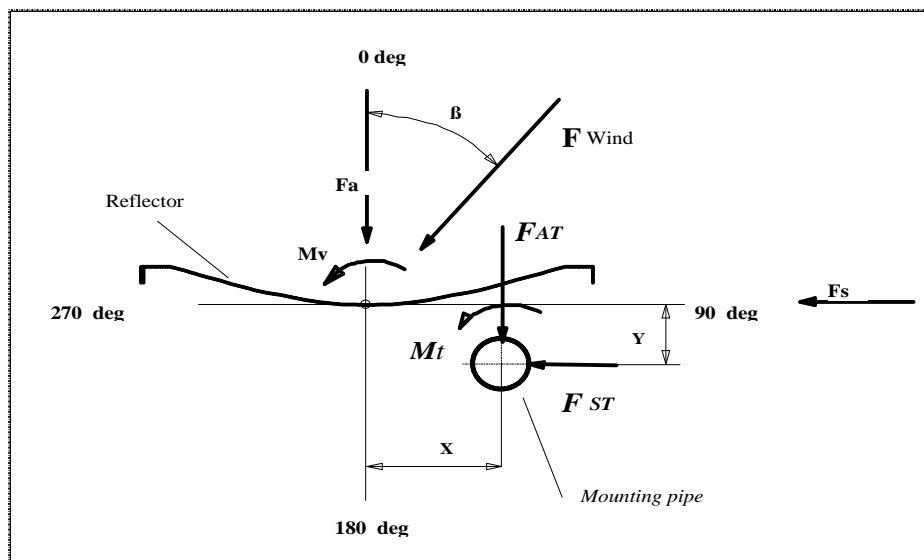
Productseries:	SlimLine
Antenna type:	High Performance
RFS-Code:	SU, SUX
Antenna size:	2 ft

1. Towerload due to wind:

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

200 km/h

			Pipe 48mm	Pipe 114mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]	Mt [Nm]
0	914	0	210	250
30	857	179	182	219
60	679	250	169	198
90	-93	418	49	45
120	-529	293	-50	-72
150	-703	59	-130	-160
180	-793	0	-182	-216
210	-703	-59	-194	-224
240	-529	-293	-193	-216
270	-93	-418	-92	-96
300	679	-250	144	173
330	857	-179	213	249
345	900	-107	217	255
Maximum (F max. ; M max.):	914	418	217	255



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]	15	26	37	48