

RFS parabolic antenna

Towerload due to wind and ice

HTX 1SB

Productseries: CompactLine Antenna C-series
 Antenna type: High Performance
 RFS-Code: SB
 Antenna size: 1 ft

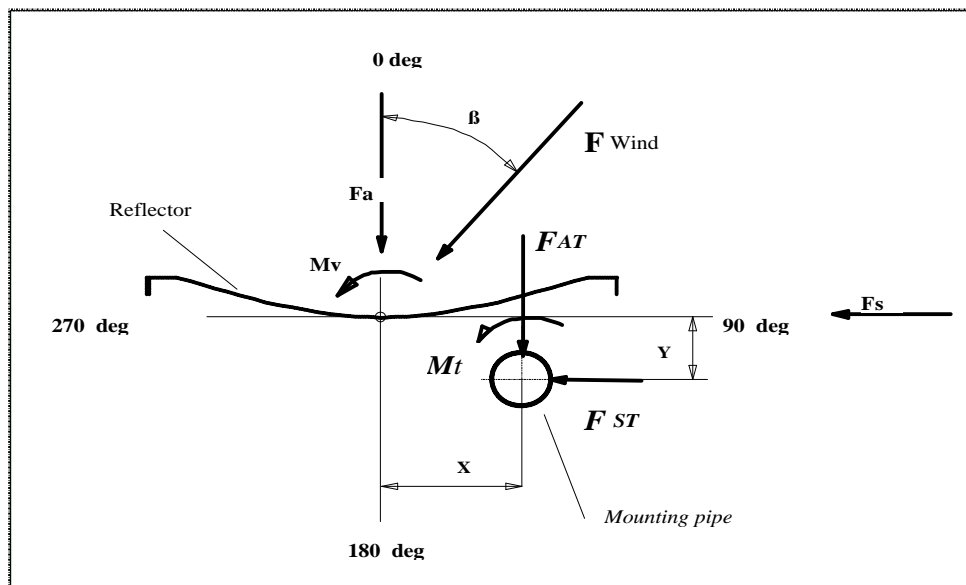
1. Towerload due to wind:

Forces and Twisting Moment at the mounting pipe for a windvelocity of:

200 km/h

Please note, that the individual maximums may not occur simultaneously.

			Pipe 48 mm	Pipe 114mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]	Mt [Nm]
0	279	0	79	90
30	268	34	75	85
60	209	53	64	72
90	-24	90	11	10
120	-158	63	-29	-35
150	-212	25	-52	-60
180	-225	0	-64	-72
210	-212	-25	-68	-76
240	-158	-63	-60	-66
270	-24	-90	-25	-26
300	209	-53	55	63
330	268	-34	77	87
Maximum (F max. ; M max.):	279	90	79	90



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]	5,5	9,5	12,5	16,5