

# RFS parabolic antenna

## Towerload due to wind and ice

HTX 0.7SB

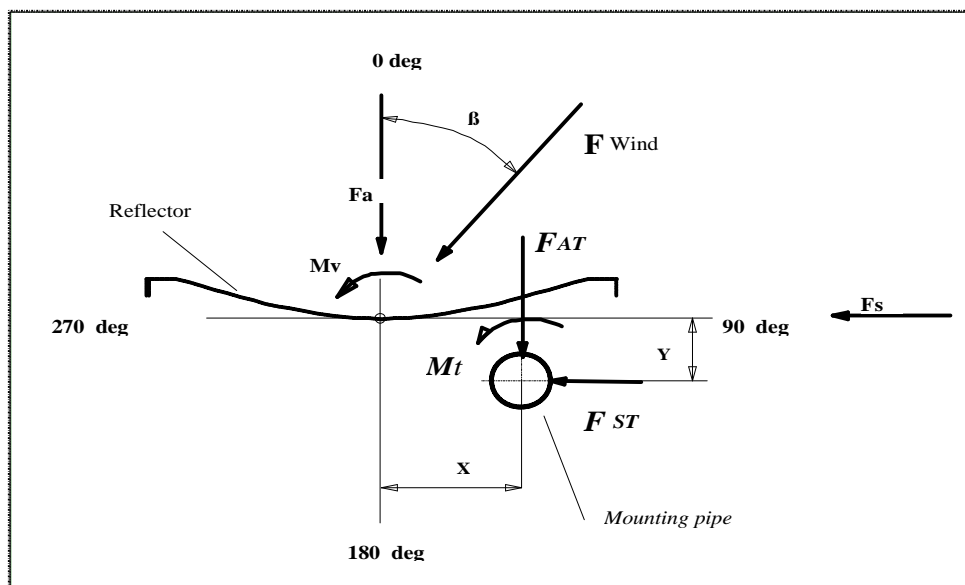
Productseries: CompactLine Antenna C-series  
 Antenna type: High Performance  
 RFS-Code: SB  
 Antenna size: 0.7 ft

### 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**

$\beta$ [deg]	FAT [N]	FST [N]	Pipe 48 mm	Pipe 114mm
			Mt [Nm]	Mt [Nm]
0	127	0	36	41
30	122	15	35	39
60	95	24	29	33
90	-11	41	4	3
120	-71	29	-15	-17
150	-96	12	-25	-28
180	-102	0	-29	-33
210	-96	-12	-30	-34
240	-71	-29	-26	-29
270	-11	-41	-10	-10
300	95	-24	25	28
330	122	-15	34	39
<b>Maximum (F max. ; M max.):</b>	<b>127</b>	<b>41</b>	<b>36</b>	<b>41</b>



### 2. Towerload due to antenna weight with and without ice:

Thickness of the radial ice-layer [mm]	<b>0</b>	10	20	30
Antenna weight (approx.) [kg]	<b>5</b>	9	11,5	14,5