

# RFS parabolic antenna

## Towerload due to wind and ice

HTX 10PA

Productseries:

Antenna type: Standard Performance

RFS-Code: PA

Antenna size: 10ft

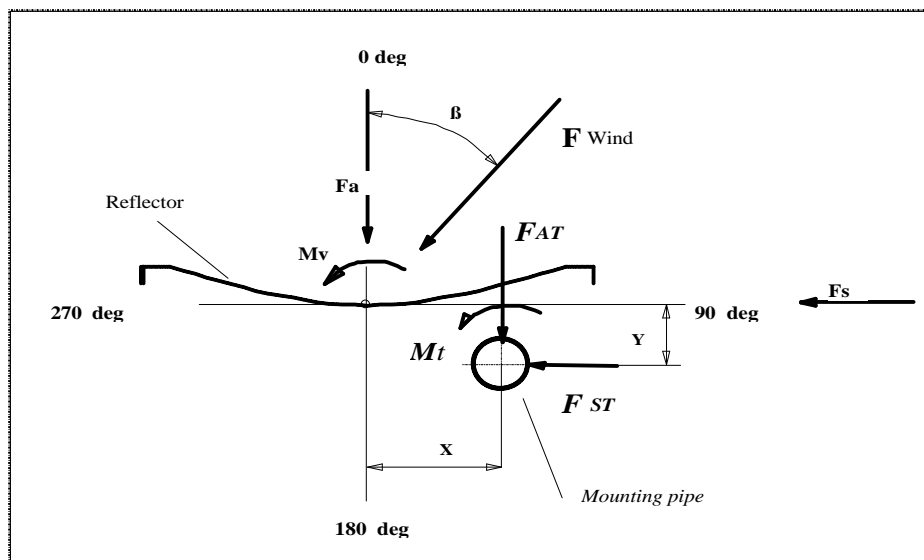
### 1. Towerload due to wind:

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 114mm	Pipe 219mm
$\beta$ [deg]	FAT [N]	FST [N]	Mt [Nm]	Mt [Nm]
0	23813	0	4524	5477
30	23874	-474	2299	3226
56	25565	2505	1562	2735
90	-183	5285	8401	8711
120	-7011	7515	8518	8688
150	-11868	6003	5317	5203
180	-16191	0	-3076	-3724
225	-8248	-6950	-11257	-12004
240	-7011	-7515	-11182	-11913
270	-183	-5285	-8470	-8795
304	25565	-2505	8152	9025
330	23874	474	6773	7757
345	23675	748	6248	7240
<b>Maximum (F max. ; M max.):</b>	<b>25565</b>	<b>7515</b>	<b>11257</b>	<b>12004</b>



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

Thickness of the radial ice-layer [mm]	<b>0</b>			30
Antenna weight (approx.) [kg]	<b>255</b>			770