

# RFS parabolic antenna

## Towerload due to wind and ice

HTX 8PAR

### Productseries:

Antenna type: Standard Performance with moulded radome

RFS-Code: PA

Antenna size: 8ft

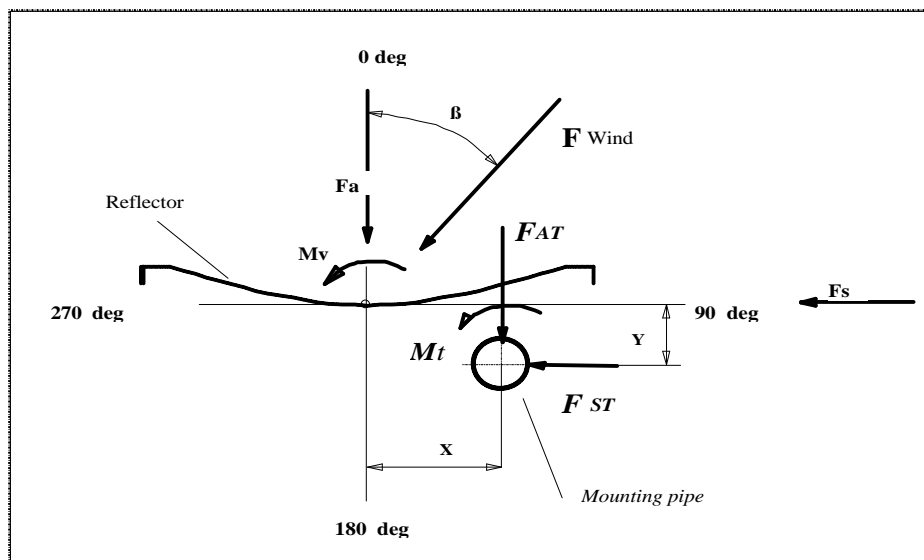
### 1. Towerload due to wind:

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.

$\beta$ [deg]	FAT [N]	FST [N]	Pipe 114mm	Pipe 219mm
			Mt [Nm]	Mt [Nm]
0	7772	0	1477	1787
30	7144	4169	-81	467
60	4048	5090	2509	2991
90	1346	4129	5739	6053
120	-1670	3532	5117	5273
150	-5282	2783	1339	1303
180	-7033	0	-1336	-1618
210	-5282	-2783	-3346	-3732
250	-678	-3775	-5833	-6098
270	1346	-4129	-5227	-5433
300	4048	-5090	-971	-1129
330	7144	-4169	2796	2819
345	7691	-2155	3519	3691
<b>Maximum (F max. ; M max.):</b>	<b>7772</b>	<b>5090</b>	<b>5833</b>	<b>6098</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>172</b>			545