

# RFS parabolic antenna

## Towerload due to wind and ice

HTX4PAR

### Productseries:

Antenna type: Standard Performance with moulded radome

RFS-Code: PA

Antenna size: 4 ft

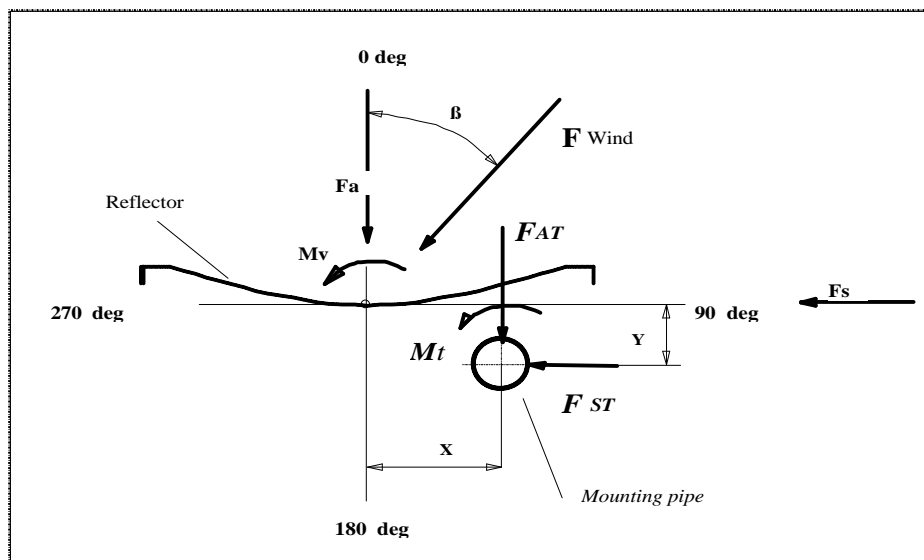
### 1. Towerload due to wind:

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 114mm	
$\beta$ [deg]	FAT [N]	FST [N]	Mt [Nm]	
0	1994	0	578	
30	1833	1070	286	
60	1038	1306	456	
90	345	1059	755	
120	-428	906	532	
150	-1355	714	-128	
180	-1804	0	-523	
210	-1355	-714	-658	
250	-174	-968	-739	
270	345	-1059	-554	
300	1038	-1306	147	
330	1833	-1070	777	
345	1973	553	870	
<b>Maximum (F max. ; M max.):</b>			<b>1994</b>	<b>1306</b>
			<b>870</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>35</b>			171