

# RFS parabolic antenna

## Towerload due to wind and ice

HTX 03SP

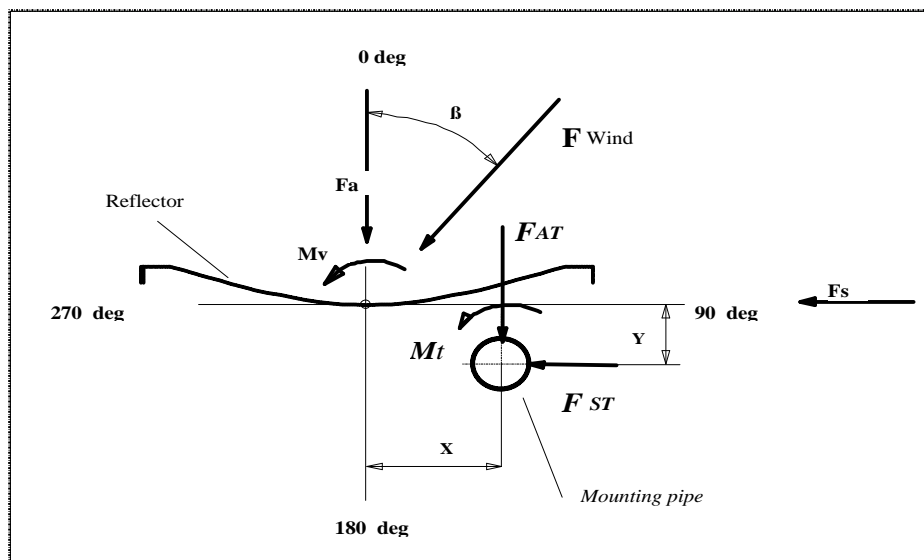
Productseries: SlimLine  
 Antenna type: Standard Performance  
 RFS-Code: SP, SPX  
 Antenna size: 3 ft

### 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 48mm	Pipe 114mm
			Mt [Nm]	Mt [Nm]
0	2187	0	503	597
30	2213	-85	446	541
56	2377	233	442	546
90	0	489	221	223
120	-629	699	93	71
150	-1048	582	-48	-89
180	-1513	0	-348	-413
210	-1048	-582	-434	-483
240	-629	-699	-383	-414
270	0	-489	-221	-223
304	2377	-233	651	752
330	2213	85	571	667
345	2173	92	545	639
<b>Maximum (F max. ; M max.):</b>	<b>2377</b>	<b>699</b>	<b>651</b>	<b>752</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>16</b>	33	49	66