

RFS parabolic antenna

Towerload due to wind and ice

HTX6PA

Productseries:

Antenna type: Standard Performance

RFS-Code: PA

Antenna size: 6ft

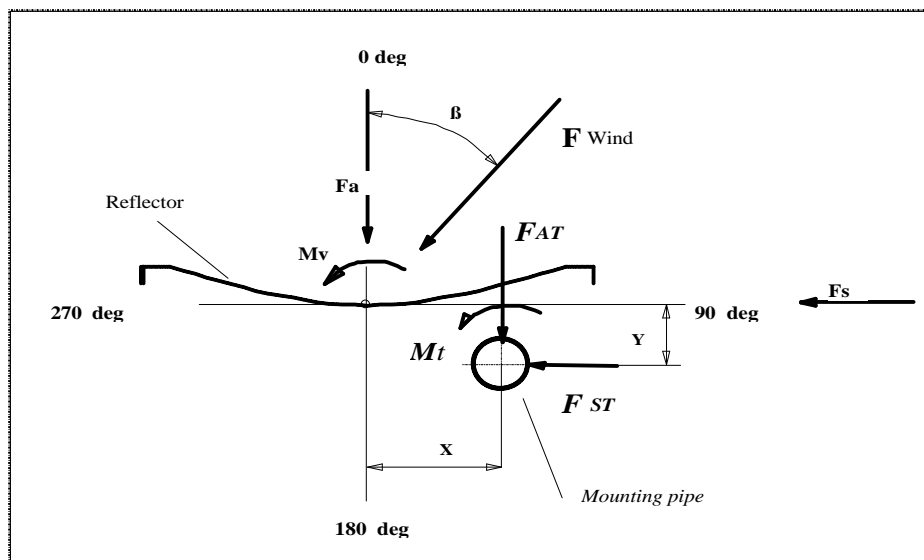
1. Towerload due to wind:

Forces and Twisting Moment at the mounting pipe for a wind velocity of:

200 km/h

Please note, that the individual maximums may not occur simultaneously.

			Pipe 114mm	
β [deg]	FAT [N]	FST [N]	Mt [Nm]	
0	9221	0	1614	
30	9245	-183	1068	
56	9900	970	996	
90	-71	2046	2143	
120	-2715	2910	2072	
150	-4596	2324	1159	
180	-6270	0	-1097	
225	-3194	-2691	-3055	
240	-2715	-2910	-3022	
270	-71	-2046	-2167	
304	9900	-970	2468	
330	9245	183	2168	
345	9168	290	2043	
Maximum (F max. ; M max.):	9900	2910	3055	



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

Thickness of the radial ice-layer [mm]	0			30
Antenna weight (approx.) [kg]	79			261