

RFS parabolic antenna

Towerload due to wind and ice

HTX4PA

Productseries:

Antenna type: Standard Performance

RFS-Code: PA

Antenna size: 4ft

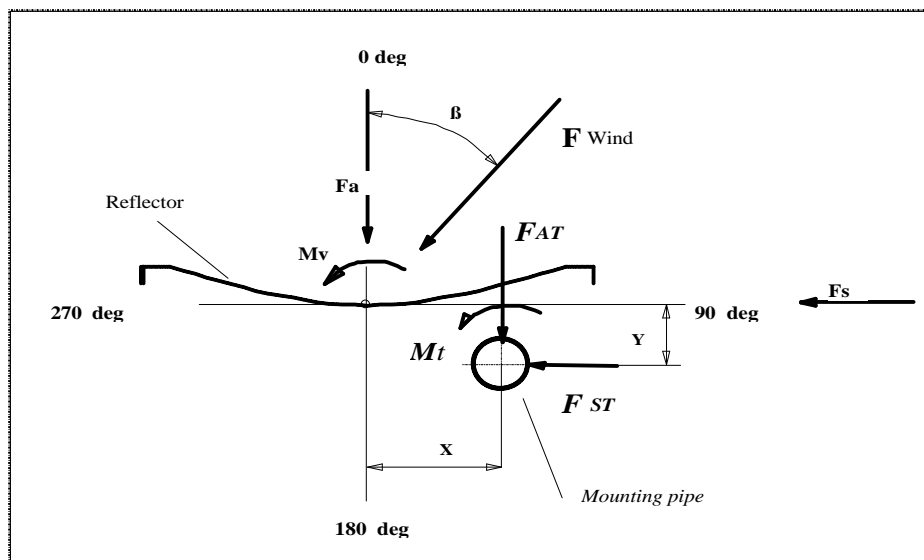
1. Towerload due to wind:

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	
β [deg]	FAT [N]	FST [N]	Mt [Nm]	
0	4047	0	1174	
30	4058	-80	1022	
56	4345	426	1016	
90	-31	898	554	
120	-1192	1277	304	
150	-2017	1020	-87	
180	-2752	0	-798	
225	-1402	-1181	-1048	
240	-1192	-1277	-995	
270	-31	-898	-572	
304	4345	-426	1504	
330	4058	80	1331	
345	4024	127	1285	
Maximum (F max. ; M max.):	4345	1277	1504	



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

Thickness of the radial ice-layer [mm]	0			30
Antenna weight (approx.) [kg]	24			106