

RFS parabolic antenna

Towerload due to wind and ice

HTX 8PA

Productseries:

Antenna type: Standard Performance

RFS-Code: PA

Antenna size: 8ft

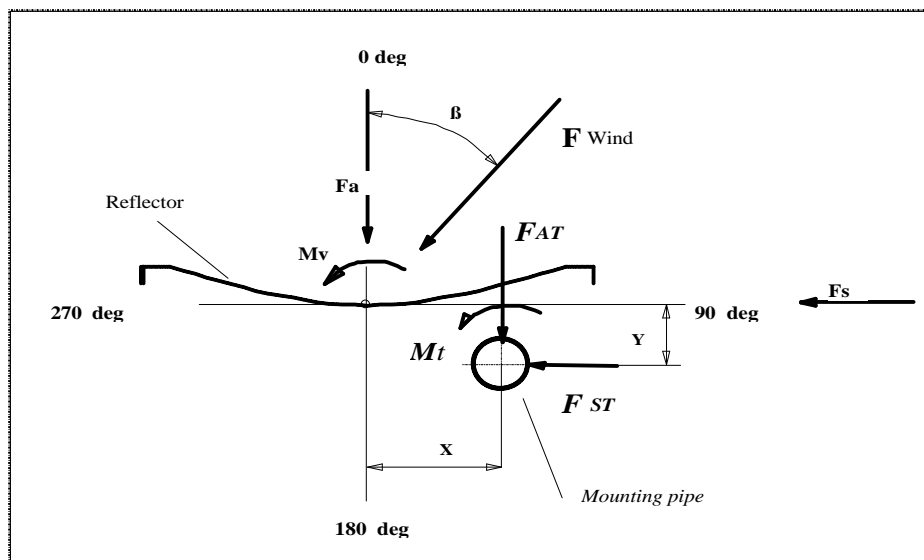
1. Towerload due to wind:

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.

			Pipe 114mm	Pipe 219mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]	Mt [Nm]
0	15776	0	2997	3628
30	15816	-314	1784	2397
56	16937	1660	1517	2299
90	-121	3501	4686	4902
120	-4645	4979	4657	4785
150	-7863	3977	2772	2708
180	-10726	0	-2038	-2467
225	-5464	-4604	-6474	-6983
240	-4645	-4979	-6424	-6922
270	-121	-3501	-4732	-4958
304	16937	-1660	4919	5492
330	15816	314	4226	4878
345	15685	496	3946	4605
Maximum (F max. ; M max.):	16937	4979	6474	6983



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

Thickness of the radial ice-layer [mm]	0			30
Antenna weight (approx.) [kg]	127			440