

RFS parabolic antenna

Towerload due to wind and ice

HTX 12PA

Productseries:

Antenna type: Standard Performance

RFS-Code: PA

Antenna size: 12ft

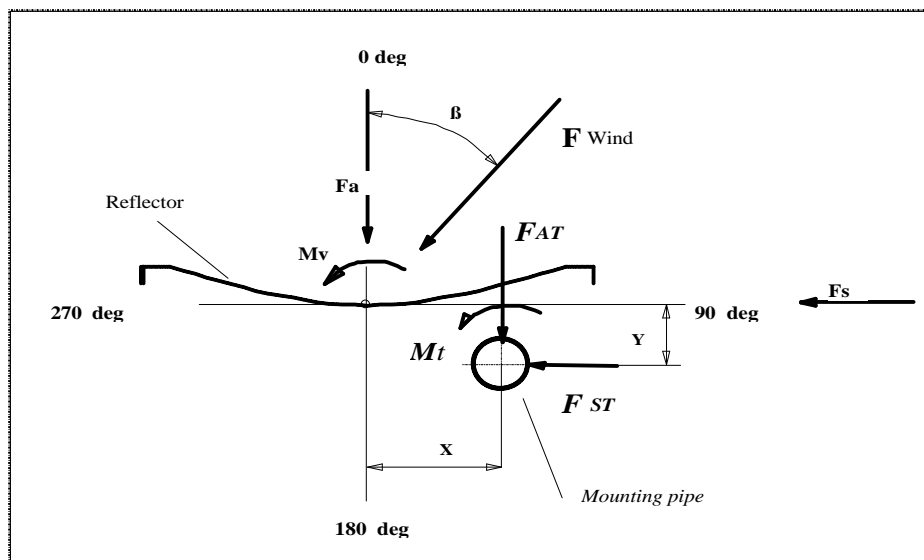
1. Towerload due to wind:

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	34028	0	6465	7826
30	34115	-677	2684	4027
56	36532	3580	1190	2766
90	-262	7552	14101	14332
120	-10018	10739	14554	14496
150	-16959	8578	9418	9014
180	-23136	0	-4396	-5321
225	-11786	-9931	-18451	-19240
240	-10018	-10739	-18361	-19105
270	-262	-7552	-14200	-14452
304	36532	-3580	12692	14039
330	34115	677	10280	11666
345	33831	1070	9380	10768
Maximum (F max. ; M max.):	36532	10739	18451	19240



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

Thickness of the radial ice-layer [mm]	0			30
Antenna weight (approx.) [kg]	314			1025