

RFS parabolic antenna

Towerload due to wind and ice

HTX 10PAR

Productseries:

Antenna type: Standard Performance with moulded radome

RFS-Code: PA

Antenna size: 10ft

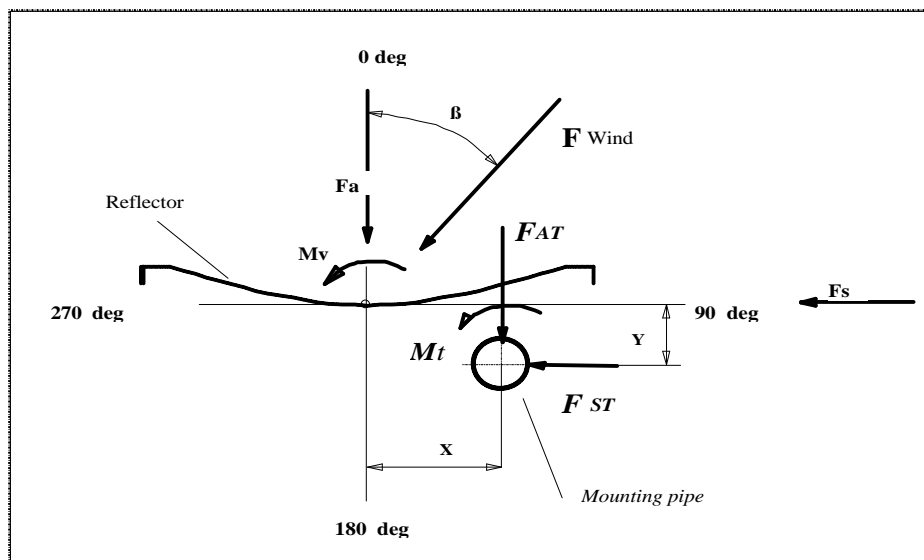
1. Towerload due to wind:

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.

β [deg]	FAT [N]	FST [N]	Pipe 114mm	Pipe 219mm
			Mt [Nm]	Mt [Nm]
0	11731	0	2229	2698
30	10784	6293	-974	-165
60	6110	7683	3955	4660
90	2032	6232	10203	10658
120	-2520	5331	9299	9518
150	-7973	4200	2592	2525
180	-10616	0	-2017	-2442
210	-7973	-4200	-5622	-6193
250	-1023	-5697	-10452	-10835
270	2032	-6232	-9431	-9724
300	6110	-7638	-1632	-1849
330	10784	-6293	5072	5125
345	11608	-3253	6206	6475
Maximum (F max. ; M max.):	11731	7683	10452	10835



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

Thickness of the radial ice-layer [mm]	0			30
Antenna weight (approx.) [kg]	306			925