

RFS parabolic antenna

Towerload due to wind and ice

HTX 08HP/1

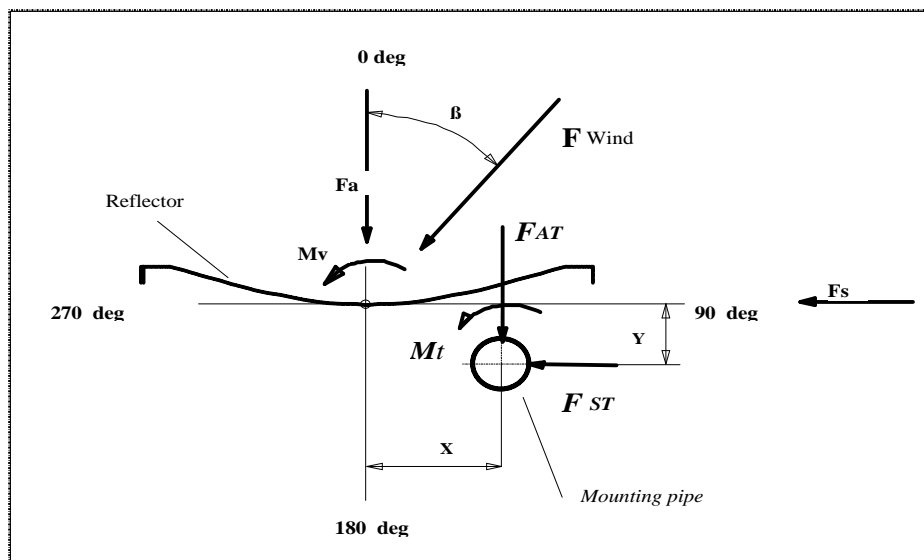
Productseries:	Microwave
Antenna type:	High Performance
RFS-Code:	DA, DAX, UA, UDA, UXA
Antenna size:	8 ft

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	Pipe 219mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]	Mt [Nm]
0	12830	0	2440	2950
30	12320	2390	1790	2435
60	9610	3730	2880	3500
90	-1110	6350	4610	4970
120	-7240	4450	2920	2910
150	-9730	1790	410	140
180	-10330	0	-1960	-2380
210	-9730	-1790	-4110	-4610
250	-5480	-5400	-5960	-6520
270	-1110	-6350	-5040	-5480
300	9610	-3730	770	920
330	12320	-2390	2890	3230
345	12770	-1390	2920	3350
Maximum (F max. ; M max.):	12830	6350	5960	6520



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

Thickness of the radial ice-layer [mm]	0	10	20	30
Antenna weight (approx.) [kg]	200	320	440	560