

RFS parabolic antenna

Towerload due to wind and ice

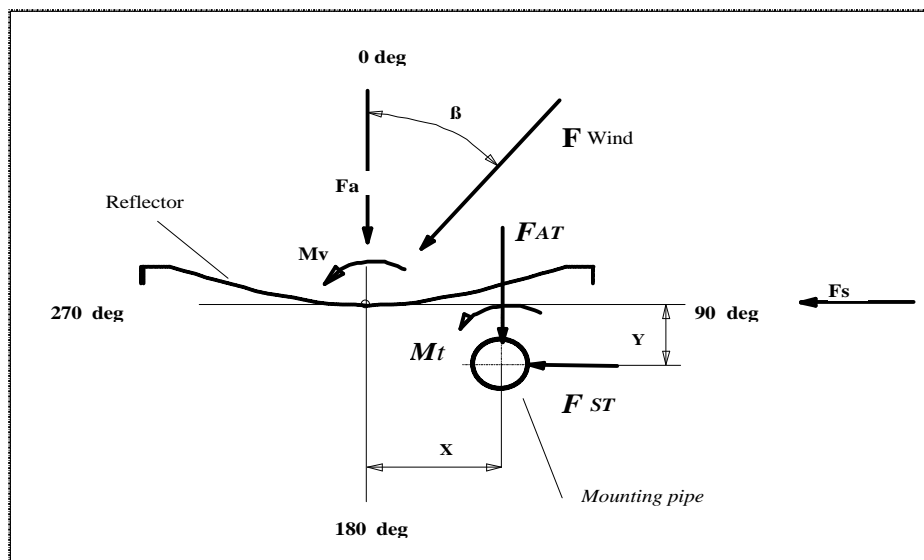
HTX 15HP/1

Productseries: Microwave
 Antenna type: High Performance
 RFS-Code: DA, DAX, UA, UDA, UXA
 Antenna size: 15 ft

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 219mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]
0	42430	0	12470
30	40720	7900	7720
60	31790	12350	14210
90	-3680	21010	25390
120	-23920	14720	17030
150	-32190	5920	3430
180	-34160	0	-10040
210	-32190	-5920	-22350
250	-18140	-17870	-32750
270	-3680	-21010	-27560
300	31790	-12350	4480
330	40720	-7900	16220
345	42230	-4590	15970
Maximum (F max. ; M max.):	42430	21010	32750



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]	950	1333	1717	2100