

RFS parabolic antenna

Towerload due to wind and ice

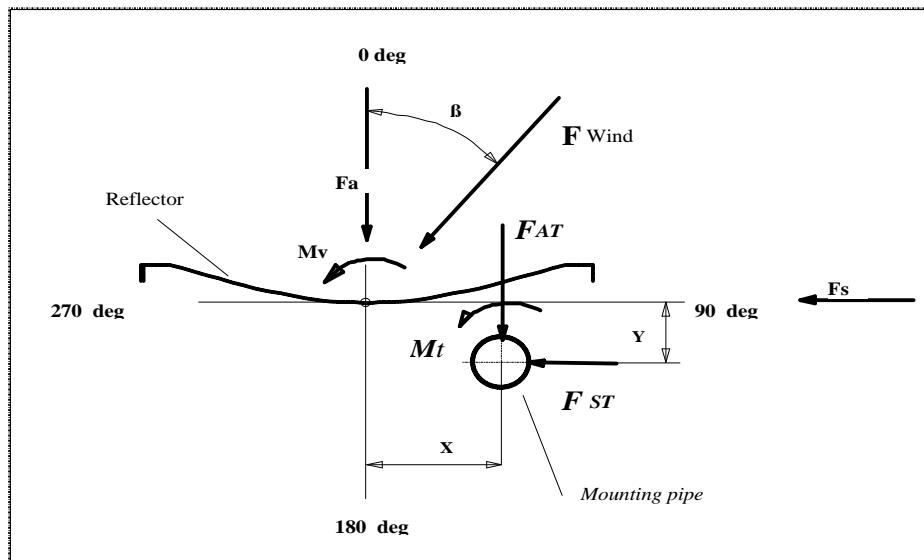
HEX 04HP

Productseries: Microwave, improved wind series
 Antenna type: High Performance
 RFS-Code: DA, DAX, UA, UDA, UXA
 Antenna size: 4 ft

1. Towerload due to wind:

Forces and Twisting Moment at the mounting pipe for a windvelocity of: **250 km/h**
 Please note, that the individual maximums may not occur simultaneously.

			Pipe 114mm
β [deg]	FAT [N]	Fst [N]	Mt [Nm]
0	5143	0	741
30	4936	957	672
60	3853	1497	882
90	-446	2547	1107
120	-2900	1785	589
150	-3902	718	-48
180	-4141	0	-596
210	-3902	-718	-1075
250	-2198	-2166	-1478
270	-446	-2547	-1236
300	3853	-1497	228
330	4936	-957	750
345	5119	-556	797
Maximum (F max. ; M max.):			5143 2547 1478



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]	50	83	117	150