

RFS parabolic antenna

Towerload due to wind and ice

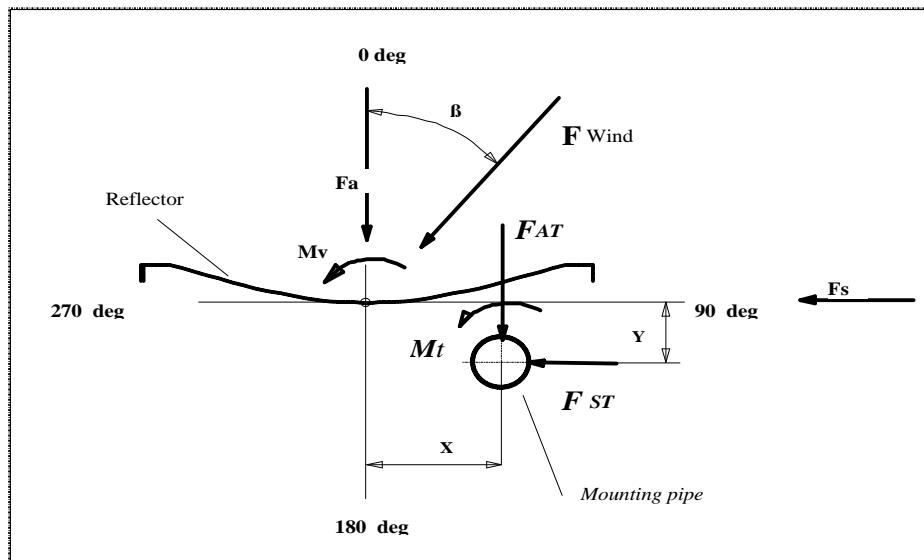
HEX 06HP

Productseries: Microwave, improved wind series
 Antenna type: High Performance
 RFS-Code: DA, DAX, UA, UDA, UXA
 Antenna size: 6 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 | 11719 | 0 | 2051 |
| 30 | 11247 | 2181 | 1640 |
| 60 | 8780 | 3410 | 2359 |
| 90 | -1017 | 5804 | 3335 |
| 120 | -6608 | 4066 | 1945 |
| 150 | -8891 | 1636 | 65 |
| 180 | -9436 | 0 | -1651 |
| 210 | -8891 | -1636 | -3176 |
| 250 | -5009 | -4935 | -4433 |
| 270 | -1017 | -5804 | -3691 |
| 300 | 8780 | -3410 | 714 |
| 330 | 11247 | -2181 | 2297 |
| 345 | 11663 | -1266 | 2358 |
| Maximum (F max. ; M max.): | | | 11719 5804 4433 |



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] | 124 | 206 | 289 | 371 |