

RFS parabolic antenna

Towerload due to wind and ice

HTX 02SB

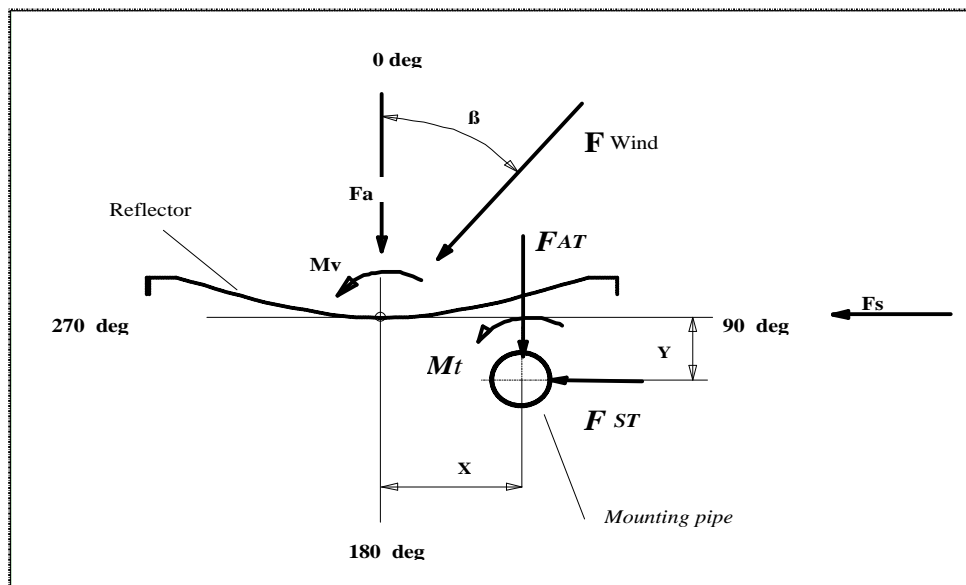
Productseries: CompactLine
 Antenna type: High Performance
 RFS-Code: SB
 Antenna size: 2 ft

1. Towerload due to wind:

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

200 km/h

			Pipe 48 mm	Pipe 114mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]	Mt [Nm]
0	914	0	210	250
30	857	116	178	215
60	679	162	163	192
90	-93	272	40	36
120	-529	190	-56	-79
150	-703	38	-131	-161
180	-793	0	-182	-216
210	-703	-38	-192	-223
240	-529	-190	-187	-210
270	-93	-272	-82	-86
300	679	-162	149	178
330	857	-116	217	253
Maximum (F max. ; M max.):	914	272	219	258



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

Thickness of the radial ice-layer [mm]	0	10	20	30
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Antenna weight (approx.) [kg]*	12	23	34	44
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*please add 1 kg for antennas used in frequency ranges below 20 GHz