

RFS parabolic antenna

Towerload due to wind and ice

HTX 02SP

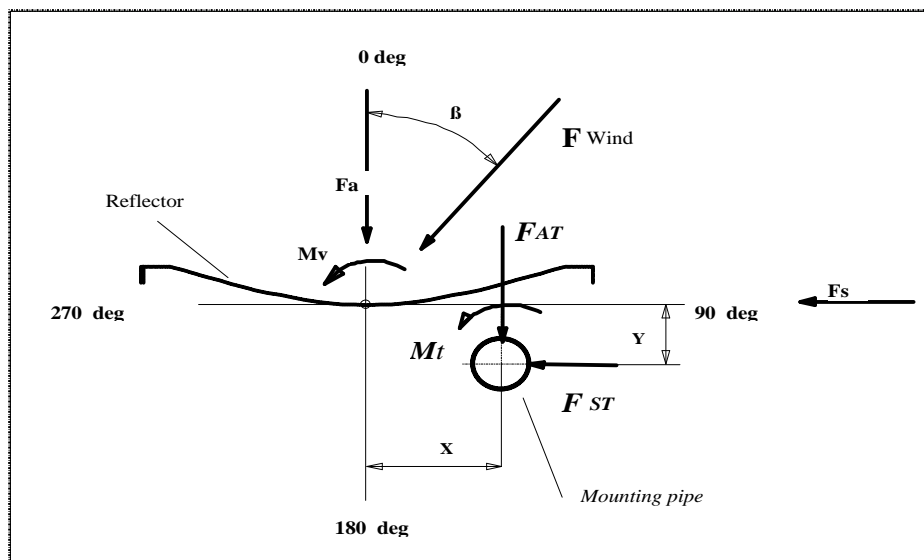
Productseries: SlimLine
 Antenna type: Standard Performance
 RFS-Code: SP, SPX
 Antenna size: 2 ft

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

β [deg]	FAT [N]	FST [N]	Pipe 48mm	Pipe 114mm
			Mt [Nm]	Mt [Nm]
0	1100	0	253	300
30	1113	-43	233	281
56	1195	117	240	291
90	0	246	83	83
120	-316	351	19	5
150	-527	293	-47	-70
180	-761	0	-175	-208
210	-527	-293	-196	-218
240	-316	-351	-164	-178
270	0	-246	-83	-83
304	1195	-117	310	362
330	1113	43	279	327
345	1093	46	268	315
Maximum (F max. ; M max.):	1195	351	310	362



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]	10	19	29	38