

RFS parabolic antenna

Towerload due to wind and ice

HTX 01SB

Productseries: CompactLine
 Antenna type: High Performance
 RFS-Code: SB
 Antenna size: 1 ft

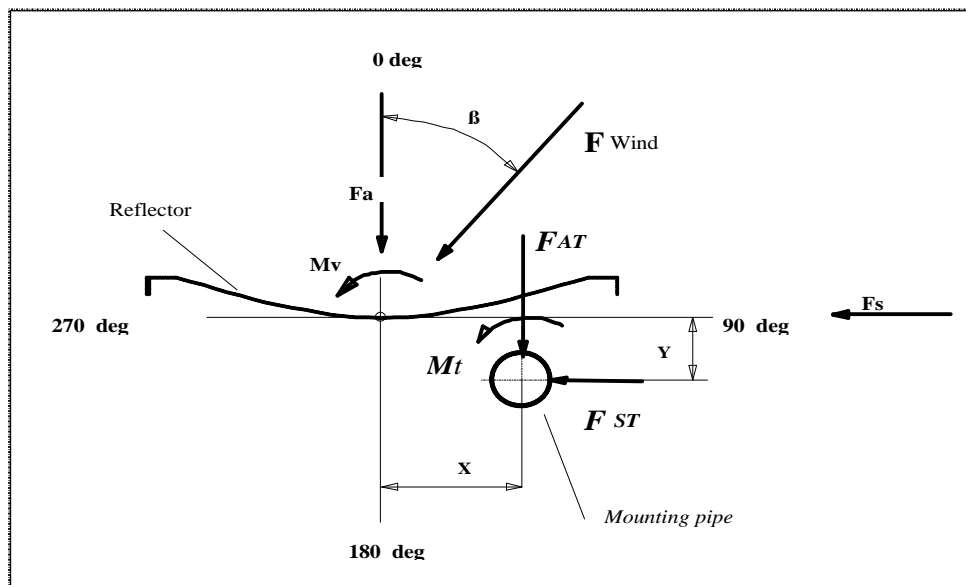
1. Towerload due to wind:

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 48 mm	Pipe 114mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]	Mt [Nm]
0	282	0	68	81
30	264	36	64	76
60	209	50	57	67
90	-29	84	13	11
120	-163	59	-22	-29
150	-217	12	-46	-55
180	-245	0	-59	-70
210	-217	-12	-59	-69
240	-163	-59	-57	-64
270	-29	-84	-26	-28
300	209	-50	44	54
330	264	-36	63	75
Maximum (F max. ; M max.):	282	84	68	81



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]	4	8	11	14
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