

RFS parabolic antenna

Towerload due to wind and ice

HTX 01SU

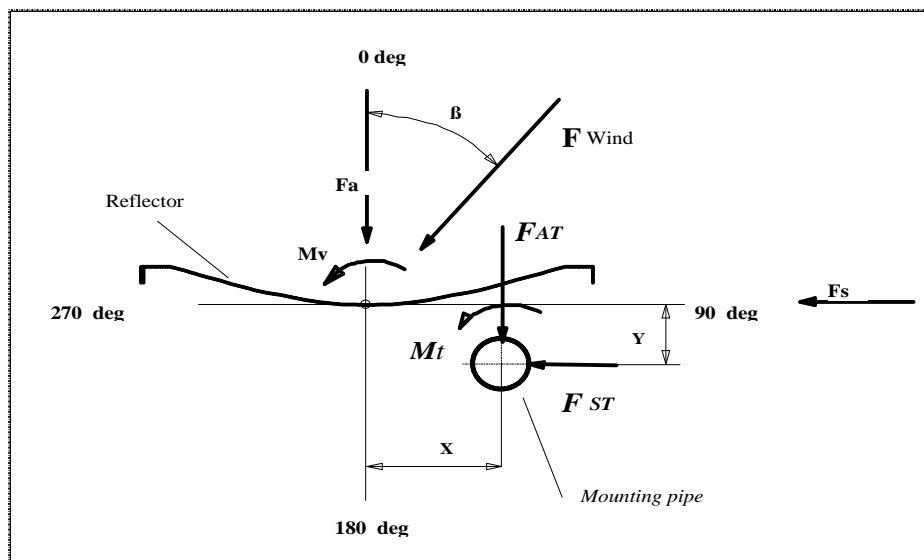
Productseries:	SlimLine
Antenna type:	High Performance
RFS-Code:	SU, SUX
Antenna size:	1 ft

1. Towerload due to wind:

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

200 km/h

			Pipe 48mm	Pipe 114mm
β [deg]	FAT [N]	FST [N]	Mt [Nm]	Mt [Nm]
0	282	0	68	81
30	264	55	67	79
60	209	77	61	70
90	-29	129	19	18
120	-163	90	-17	-25
150	-217	18	-45	-55
180	-245	0	-59	-70
210	-217	-18	-59	-70
240	-163	-90	-61	-69
270	-29	-129	-33	-34
300	209	-77	40	50
330	264	-55	60	73
345	278	-33	65	78
Maximum (F max. ; M max.):	282	129	68	81



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]	5	9	13	17