

RFS parabolic antenna

Towerload due to wind and ice

HTX6PAR

Productseries:

Antenna type: Standard Performance with moulded radome
 RFS-Code: PA
 Antenna size: 6ft

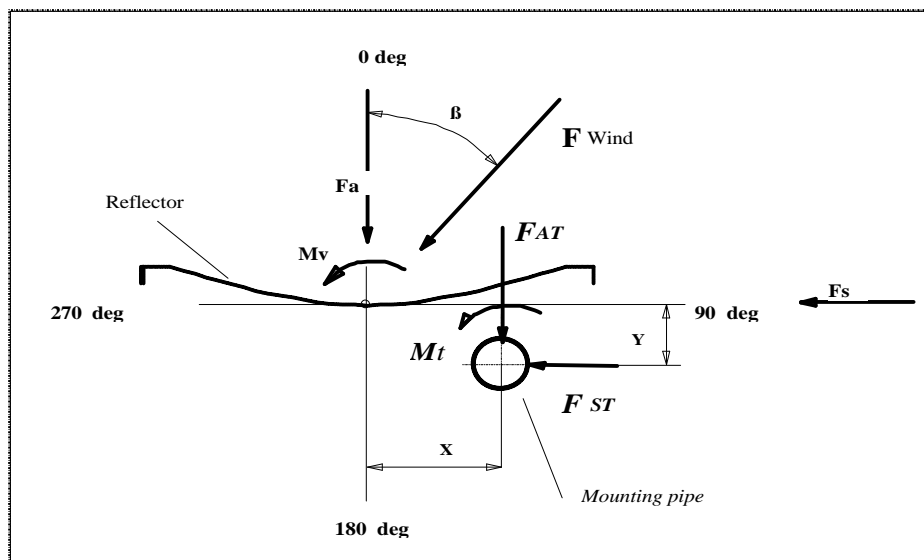
1. Towerload due to wind:

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 114mm	
β [deg]	FAT [N]	FST [N]	Mt [Nm]	
0	4543	0	795	
30	4176	2437	148	
60	2366	2975	1265	
90	787	2413	2647	
120	-976	2064	2309	
150	-3087	1627	547	
180	-4111	0	-719	
210	-3087	-1627	-1627	
250	-396	-2206	-2673	
270	787	-2413	-2372	
300	2366	-2975	-437	
330	4176	-2437	1313	
345	4495	-1260	1675	
Maximum (F max. ; M max.):	4543	2975	2673	



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

Thickness of the radial ice-layer [mm]	0			30
Antenna weight (approx.) [kg]	95			370