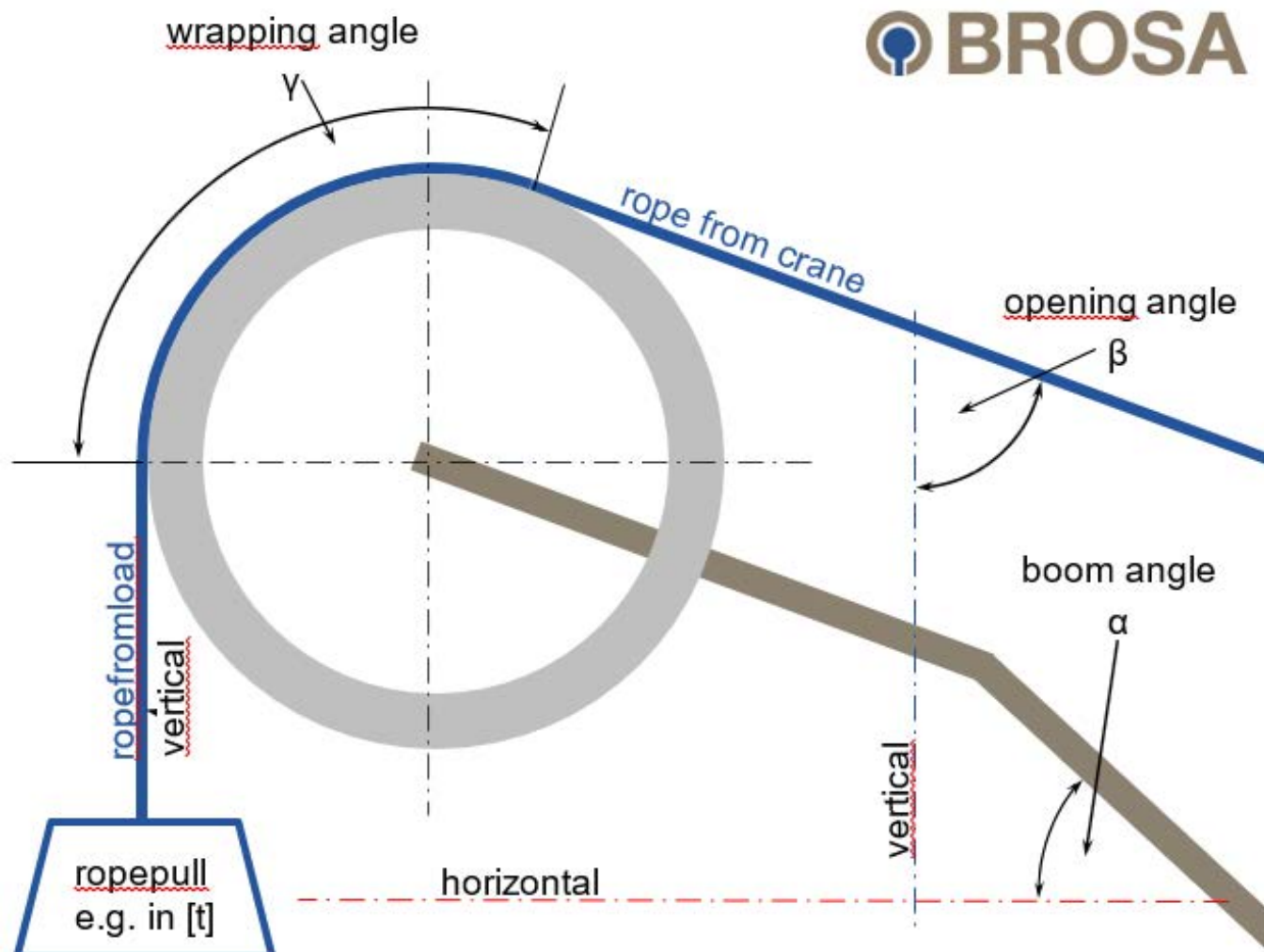


Definitions Rope-pull-Calculations

KMA MEMS / KMH MEMS



	lower boom position	upper boom position
boom angle α in degree [°]		
opening angle β in degree [°]		
wrapping angle γ in degree [°]		
max. rope pull in [t] or [kN]		
output signal		
rope from crane paralel to boom?		

To calculate the rope pull, the crane geometry must be taken into account. Therefore all angles must be stated for both (max / min) positions of the boom. Please use the table above. Furthermore, this calculation is based on the fact, that the rope to the load is always vertical aligned.