



## SIDEWALL CALCULATION

Customer		
Reference		
Offer		

### General features

Quantity		
Belt type		
Belt reference		
Required capacity	[ton/h]	
Filling factor (usually 0,75)		
Belt speed	[m/s]	
Conveyor type		
Max. slope	[deg]	
Elevation	[m]	
Center distance	[m]	
Material handled		
Bulk density	[ton/m <sup>3</sup> ]	
Surcharge angle	[deg]	
Lump size	[mm]	

### Belt characteristics

Belt width	[mm]	
Sidewall type		
Cleat type		
Screwed cleats		
Cleat pitch	[mm]	
Free lateral space	[mm]	
Belt tensile strength	[N/mm]	
Rubber edge width	[mm]	
Rubber quality		

### Calculation data

Useful capacity	[mm]	
Useful capacity	[mm]	
Useful belt width	[mm]	
Sidewall width	[mm]	
Belt approx. weight	[mm]	
Max. working tension at drive pulley	[mm]	
Max. working tension on lateral spaces	[mm]	
Safety factor		
Safety factor at lateral spaces		
Required take-up at tail	[mm]	
Required power	[mm]	
Suggested motor power ( $\eta = 0,85$ )	[mm]	
Min. pulley diameter	[mm]	
Min. deflection wheel diameter	[mm]	
Min. wheel width	[mm]	