

>> **Questionnaire for Calculation**
of RAPPLON® Roller Drive Belts

> Applicants data		
Name	Tel	
Company	Email	
* Mandatory data for basic calculation	Date	
> Basic data		
* Total conveying length	l_0	mm
* Total mass of transported goods/m	m'	kg/m
* or mass of transported goods	m_T	kg
Max. single piece mass	m_1	kg
* Sort of transported goods		
* Belt width	b_0	mm
Installed motor power	P_M	kW
Transport speed	v_F	m/s
* Smallest pulley wrapped by belt	d_{min}	mm
* Take-up length		mm
Operating temperatures min.		°C
Operating temperatures max.		°C
Any further influences		
> Carrying rollers		
* Diameter	d_T	mm
* Length	b	mm
* Material (steel / plastic)	<input type="checkbox"/> steel <input type="checkbox"/> plastic	
* Distance between carrying rollers	a_s	mm
> Drive pulley		
* Diameter	d_1	mm
Face width		mm
* Surface (metal / Lagged)	<input type="checkbox"/> metal <input type="checkbox"/> lagged	
* Arc of contact	b	°
> Additional resistances and data for enhanced calculations		
> Diverter		
Single piece mass	m_1	kg
> Accumulation		
Max. accumulated mass	m_{rs}	kg
Zero pressure	<input type="checkbox"/> yes <input type="checkbox"/> no	
Low pressure	<input type="checkbox"/> yes <input type="checkbox"/> no	
Full pressure	<input type="checkbox"/> yes <input type="checkbox"/> no	
> Inclines		
Up	<input type="checkbox"/> yes <input type="checkbox"/> no	
Down	<input type="checkbox"/> yes <input type="checkbox"/> no	
Transport height	h_T	mm
Conveying length over incline	l_T	mm
Max. total mass on inclined section	m_T	kg
> Acceleration		
Mass to be accelerated	m_A	kg
Transport speed	v_F	s m/s
Acceleration time	t_A	s
> Insertion depth		
1 pressure roll / 2 carrying rollers	<input type="checkbox"/> yes <input type="checkbox"/> no	
1 pressure roll / carrying roller	<input type="checkbox"/> yes <input type="checkbox"/> no	
Remarks :		