winder checklist 38043750

Winder checklist

Please fill out all marked fields

Designation	Value	Unit
Application / Machine Type		-
Rewinder / Unwinder / Combination	Rewinder	-
Minimum diameter D_{min}		m
Maximum diameter D_{max}		m
Diameter ratio D_{max} / D_{min}	**Enter minimum diameter!**	-
Minimum tension F_{min}		N
Maximum tension F_{max}		N
Tension ratio F_{max} / F_{min}	**Enter minimum tension!**	-
Minimum torque M_{min}	**Enter minimum diameter!**	Nm
Maximum torque M_{max}	**Enter maximum diameter!**	Nm
Torque ratio M_{max} / M_{min}	**Enter maximum diameter!**	-
Motor type		
Rated motor torque M_N		Nm
Rated motor frequency f_N		Hz
Rated motor speed		min^{-1}
Motor moment moment of inertia J_{Motor}		kgm^2
Gearbox moment of inertia $J_{Getriebe}$		kgm^2
Motor encoder system		-
Maximum web velocity v_{max}		m/min
Minimum web velocity v_{min}		m/min
Ramp up / Ramp down / Emergency stop time		s
Maximum winder speed for v_{max}, D_{min}	Enter minimum diameter!	min^{-1}
Minimum winder speed for v_{min}, D_{max}	Enter maximum diameter!	min^{-1}
Gearbox ratio $i=n_1/n_2$		-
Maximum motor speed for v_{max}, D_{min}	Enter minimum diameter!	min^{-1}
Minimum motor speed for v_{min}, D_{max}	Enter maximum diameter!	min^{-1}
Maximum field weakening (n_{max}/n_N)	Enter minimum diameter!	-
Tension / position measuring system		
Required tension accuracy $\Delta F/F_{max}$		%
Diameter sensor	○ ultrasonic ○ laser ○ mechanical ◉ no sensor	
Wound material width B		m
Wound material length L		m
Wound material thickness D		mm
Wound material density ρ		kg/m^3
Maximum moment of inertia wound roll J_W	Enter minimum diameter! at Dmax (L) = -- m	kgm^2
Over all moment of inertia	Enter minimum diameter!	kgm^2
Ratio moment of inertia Motor / Load	Enter minimum diameter!	
Flying roll change	☐	-

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