

## Roller Chain and Sprocket Inquiry Sheet (for new installation or replacement)

Enter information for items 1 – 3 if known.				1	Chain number			
2	Sprocket no. of teeth (drive × driven)		T × T	3	Number of links Links			
4	Machine used			5	Type of impact (load fluctuation)	Smooth	Moderate impact	Large impact
6	Do you have fluid couplings?		Yes No	7	Motor type			
8	Motor rated output		kW	9	Motor rated torque N·m			
10	Motor rated RPM		r/min.	11	Reduction gear ratio of reducer :			
12	RPM of reducer output shaft		r/min.	13	Reducer output shaft allowable torque N·m			
14	RPM of driven shaft		r/min.	15	Shaft diameter (drive shaft x driven shaft)		mm ×	mm
16	Distance between shafts mm			Provide the RPM of the motor used and a torque diagram when the RPM is controlled by frequency (inverter, etc.).				
17	Frequency of starting (stopping)			times/day (8hrs/day)		Note: Complete item 18 if starting (stopping) frequency is more than 6 times or more a day. Skip to item 26 if less than 6 times a day.		
18	Are there soft starts/stops?			Yes No		Note: Complete items 19 and 20 if there are soft starts/stops, otherwise skip to item 21.		
19	Acceleration (acceleration time)		m/s <sup>2</sup>	20	Deceleration (deceleration time)		m/s <sup>2</sup>	
21	Moment of inertia or GD <sup>2</sup> of motor (circle one)		kg·m <sup>2</sup>	22	Converted moment of inertia or GD <sup>2</sup> of motor shaft load (circle one)		kg·m <sup>2</sup>	
23	Starting torque of motor		%	24	Maximum (stalling) torque of motor		%	
25	Braking torque		%					
26	Atmosphere	Temp ( °C)	Abrasive dust ( Yes No )	Corrosive liquid or gas ( Yes No )				
27	Simple diagram of layout from motor to chain/sprocket section			Note: Provide the conveyor specifications if this is for a conveyor drive. Include a diagram				

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Company name

Department

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Your name

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Date

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