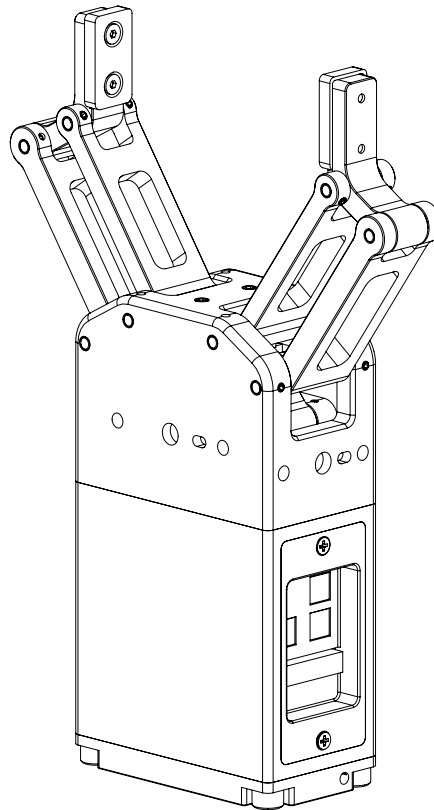




Toyo CHY2 Series
English User's Manual

Ver.202001

CHY2 Series



Preface



CHY2 Series

Thank you very much for purchasing the CHY2 series of electric gripper.

WARNING

Contents listed in this manual includes only the most basic information required and detailed conditions are prepared in a separate operation's manual. Please read the manual carefully before using the product and understand its contents fully.
Please download the operation's manual from our official website or contact our office.


Table of content

1.Parts Assembly	04
2.Specifications	05
3.Dimensions.....	06
4.Installation and using conditions	08
5. Allowable Moment	08
6.Setting and Wiring	09
7. I/O INTERFACE.....	10
8. Serial Communication.....	11
9. Software installation method	11
10. Setting the Rotational Switch.....	12
11. Step by Step Instruction.....	13

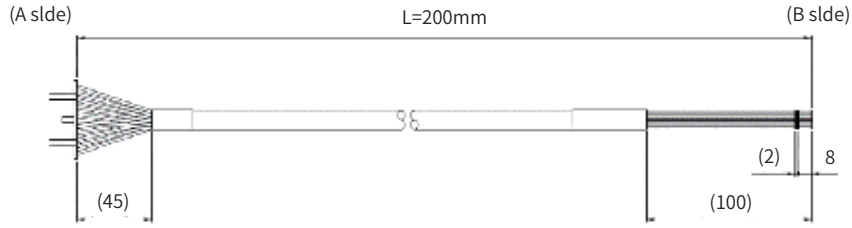
1. Parts Assembly

⚠ Things to confirm after opening the box

The product is composed of the following components. In case if a component is missing due to the wrong model number, please contact the location of purchase or TOYO directly.

	Item Name	Quantity	Image	Model Number
Main Body	Gripper	1		CHY2
	Main body including 200mm cable	1		CHY2-S80/S150-L02 Cable
Accessories	Fixture Base	1		CHY2-Flange plate
	Cable Tie	1		CTAM1 (Hellermann Tyton)
	Terminal Resistance	1		220Ω

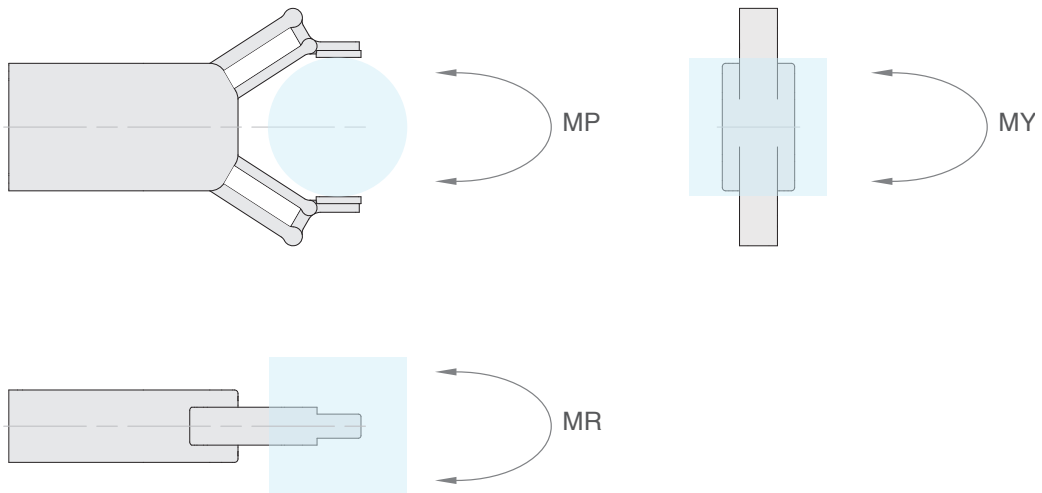
I/O Power Source Cable



4.Installation and using conditions

No	Condition of Use
1	Do not use in an environment exposed to direct sun light
2	Do not allow heat to transfer onto the main body when using radiant heat from device with large heat source such as the heat furnace
3	Environmental temperature from 0~40°C
4	Moisture level under 85% and without dew
5	No corrosive or flammable vapors
6	Operate under a generate environment of assembly without much dust
7	Without the use of oil mist and cutting fluid
8	Vibration conducted does not exceed 0.5G
9	No strong electromagnetic wave, ultra-violet wave or radiation
10	Environment without drug mist ' therefore the product' s tolerance to drugs are not considered.

5. Allowable Moment



Allowable yawing moment	MY	6.5 N.m
Allowable pitching moment	MP	3.6 N.m
Allowable rolling moment	MR	7 N.m

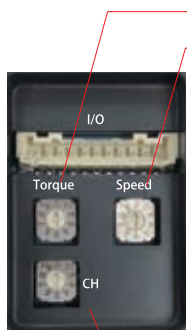
10. Setting the Rotational Switch

Set the rotational switch of the main body before turning on the power , then set the speed and gripping force.

▲Attention

The setting of rotational switch is based on the value when the power is turned on. Even if the switch is changed after the power has been turned on, it will not become effective. Therefore please restart the power in order to change the speed and gripping force. Please refer to the chart that depicts the relationship between the command value and gripping force as a base of reference. The actual gripping force displayed won't be exactly the same.

Setting Switch



SW_No	Grip Force	Speed	Station No.
0	100%	100%	1
1	Communication Setting	10%	2
2	-	20%	3
3	30%	30%	4
4	40%	40%	5
5	50%	50%	6
6	60%	60%	7
7	70%	70%	8
8	80%	80%	9
9	90%	90%	10



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