

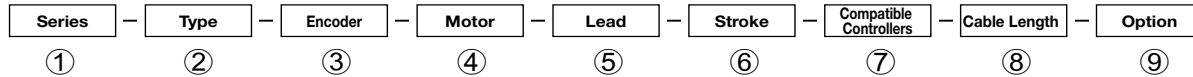
Description of Models

ERC2 CYLINDER
RCP3

Each model of ROBO Cylinder is defined by the items (codes) below.

See descriptions below for the meaning of each item. The range of selectable values for each item (e.g. lead, stroke, etc.) is different for each product type. See each type for details.

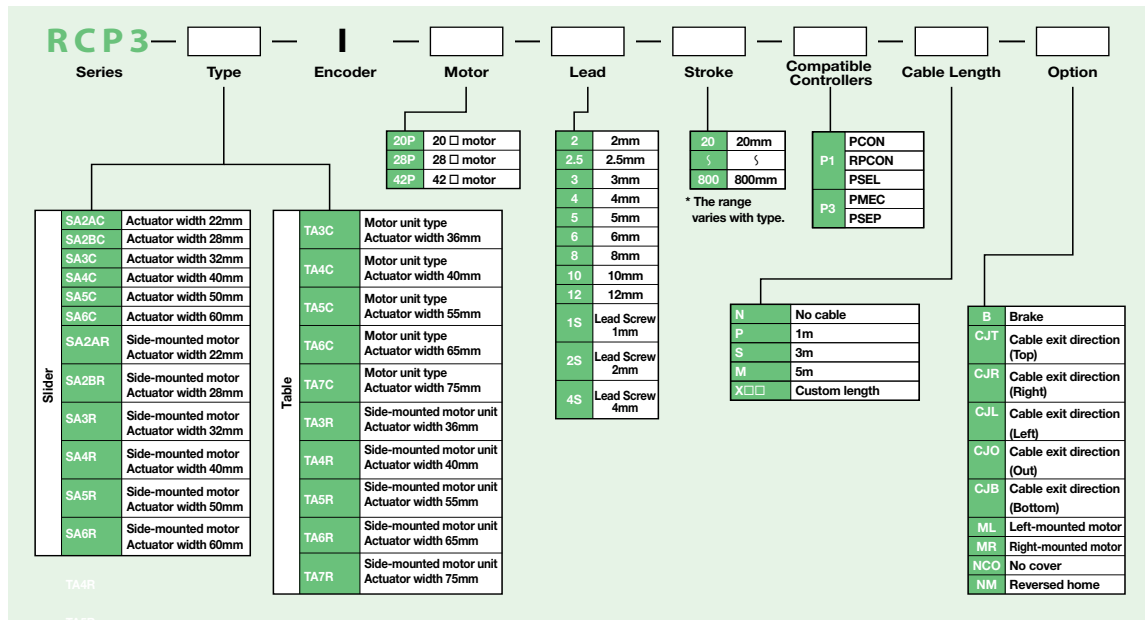
Description of Items



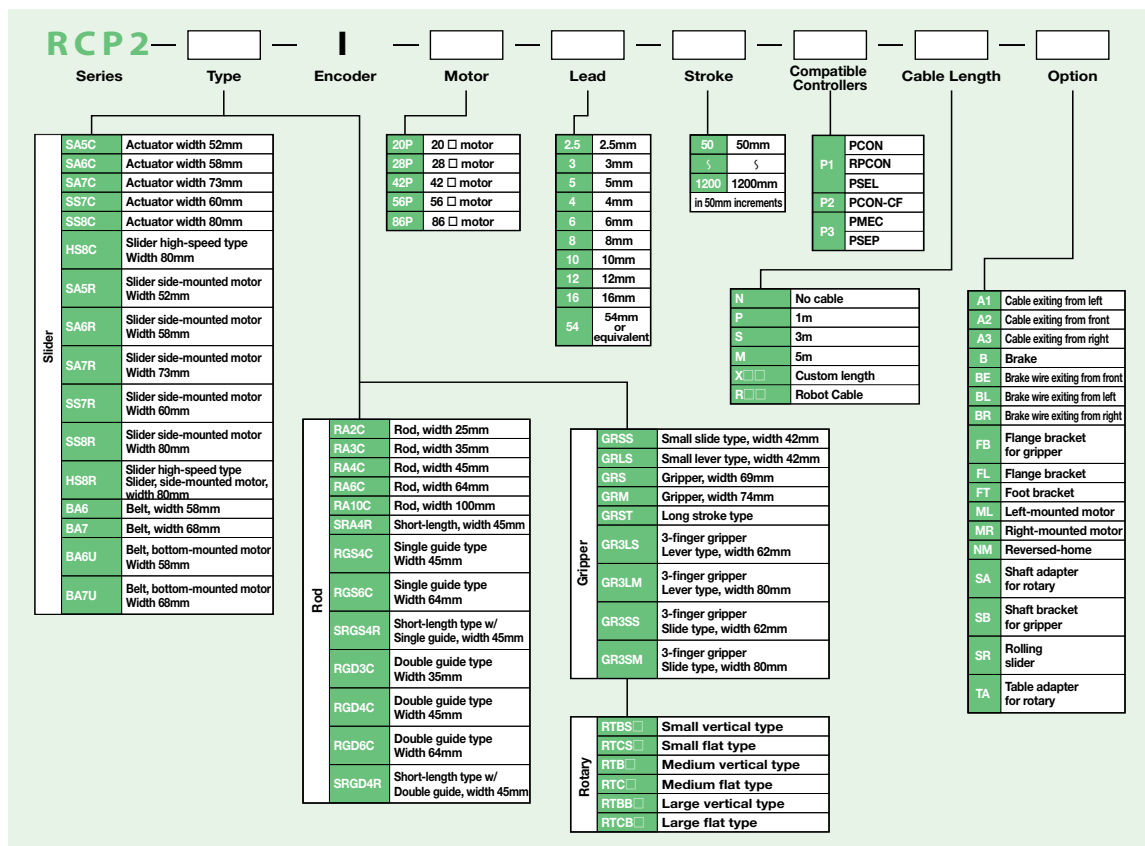
① Series	Indicates the name of the series.																																																
② Model	<p>Indicates the product type (slider, rod, etc.), material (aluminum, steel, etc.), actuator size (52mm width, etc.), and motor connection method, using the convention below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Material / Form</th> <th>Actuator width</th> <th>Motor connection method</th> </tr> </thead> <tbody> <tr> <td>S (Slider)</td> <td>A (Aluminum)</td> <td>2 (22/25/28 width)</td> <td>C (Coupled)</td> </tr> <tr> <td>B (Belt)</td> <td>S (Steel)</td> <td>3 (30 width)</td> <td>D (Built-in)</td> </tr> <tr> <td>R (Rod)</td> <td>GS (Single guide)</td> <td>4 (40/42/45 width)</td> <td>R (Side-mounted)</td> </tr> <tr> <td></td> <td>GD (Double guide)</td> <td>5 (52/54/55 width)</td> <td></td> </tr> <tr> <td>H (High-speed)</td> <td>SD (Slide unit)</td> <td>6 (58/64 width)</td> <td>U (Bottom-mounted)</td> </tr> <tr> <td>T (Table)</td> <td>N (Nut mounting type)</td> <td>7 (60/68 width)</td> <td>N (Hollow motor)</td> </tr> <tr> <td>A (Arm)</td> <td>P (Tapped hole mounting type)</td> <td>7A (width 75, rod 30)</td> <td>L (Linear motor)</td> </tr> <tr> <td></td> <td>C (Compact)</td> <td>7B (width 75, rod 35)</td> <td></td> </tr> <tr> <td>F (Flat)</td> <td>W (Wide)</td> <td>8 (80 width)</td> <td></td> </tr> <tr> <td></td> <td>F (Flat)</td> <td>10 (100 width)</td> <td></td> </tr> <tr> <td></td> <td></td> <td>16 (158 width)</td> <td></td> </tr> </tbody> </table> <div style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-top: 10px; background-color: #f0f0f0;"> <p>e.g. SA5C</p> <p>Type: Slider</p> <p>Material: Aluminum</p> <p>Actuator width: 52mm</p> <p>Motor: Coupled</p> </div> <p>* Gripper and rotary type ROBO Cylinders have their own naming convention.</p>	Type	Material / Form	Actuator width	Motor connection method	S (Slider)	A (Aluminum)	2 (22/25/28 width)	C (Coupled)	B (Belt)	S (Steel)	3 (30 width)	D (Built-in)	R (Rod)	GS (Single guide)	4 (40/42/45 width)	R (Side-mounted)		GD (Double guide)	5 (52/54/55 width)		H (High-speed)	SD (Slide unit)	6 (58/64 width)	U (Bottom-mounted)	T (Table)	N (Nut mounting type)	7 (60/68 width)	N (Hollow motor)	A (Arm)	P (Tapped hole mounting type)	7A (width 75, rod 30)	L (Linear motor)		C (Compact)	7B (width 75, rod 35)		F (Flat)	W (Wide)	8 (80 width)			F (Flat)	10 (100 width)				16 (158 width)	
Type	Material / Form	Actuator width	Motor connection method																																														
S (Slider)	A (Aluminum)	2 (22/25/28 width)	C (Coupled)																																														
B (Belt)	S (Steel)	3 (30 width)	D (Built-in)																																														
R (Rod)	GS (Single guide)	4 (40/42/45 width)	R (Side-mounted)																																														
	GD (Double guide)	5 (52/54/55 width)																																															
H (High-speed)	SD (Slide unit)	6 (58/64 width)	U (Bottom-mounted)																																														
T (Table)	N (Nut mounting type)	7 (60/68 width)	N (Hollow motor)																																														
A (Arm)	P (Tapped hole mounting type)	7A (width 75, rod 30)	L (Linear motor)																																														
	C (Compact)	7B (width 75, rod 35)																																															
F (Flat)	W (Wide)	8 (80 width)																																															
	F (Flat)	10 (100 width)																																															
		16 (158 width)																																															
③ Encoder	<p>Indicates whether the actuator is equipped with an absolute or incremental encoder.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #d3d3d3;">A : Absolute</td> <td>Since the current slider position is retained even after the power is turned off, homing is not required.</td> </tr> <tr> <td style="background-color: #d3d3d3;">I : Incremental</td> <td>Since the position data for the slider becomes lost when the power is turned off, homing is required each time the power is turned on.</td> </tr> </table>	A : Absolute	Since the current slider position is retained even after the power is turned off, homing is not required.	I : Incremental	Since the position data for the slider becomes lost when the power is turned off, homing is required each time the power is turned on.																																												
A : Absolute	Since the current slider position is retained even after the power is turned off, homing is not required.																																																
I : Incremental	Since the position data for the slider becomes lost when the power is turned off, homing is required each time the power is turned on.																																																
④ Motor	<p>Indicates the power output (W) of the motor used in the actuator.</p> <p>All ERC2 series products are labeled as "PM".</p> <p>For the RCP3/RCP2 series, which use a pulse motor, this code indicates the motor size instead of the power output (e.g. "20P" = 20mm frame size motor).</p>																																																
⑤ Lead	Indicates the ball screw lead (the distance the slider travels as the ball screw completes one revolution).																																																
⑥ Stroke	Indicates the stroke (range of motion) of the actuator (in mm or degrees).																																																
⑦ Compatible controllers (I/O type)	Indicates the type of controllers that can be connected. For the ERC2 series, which has a built-in controller, this code indicates the type of I/O (input/output signals).																																																
⑧ Cable length	Indicates the length of the motor-encoder cables, which connects the actuator and the controller.																																																
⑨ Options	<p>Indicates the options added to the actuator. (See Technical Reference on page A-23 for details.)</p> <p>* To select multiple options, specify them in alphabetical order (e.g. A3-B-FT)</p> <p>* When specifying a side-mounted motor type, make sure to include the code (ML or MR) to indicate on which side the motor is to be mounted.</p>																																																

RCP3 Series/RCP2 Series

RCP3 series

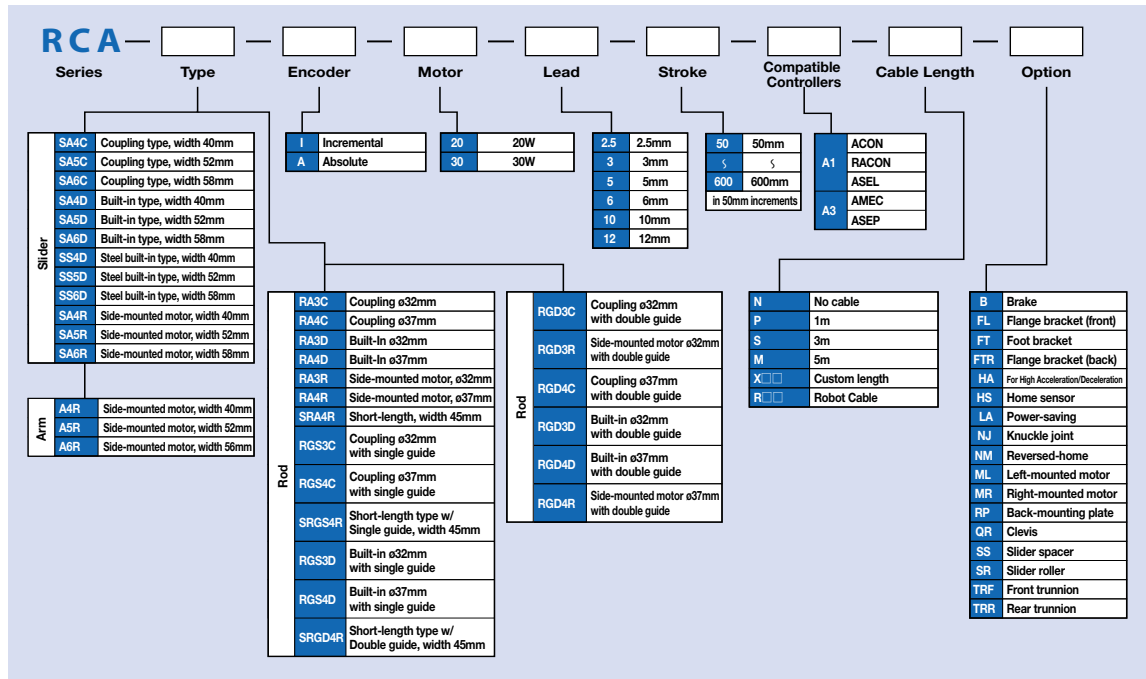


RCP2 series

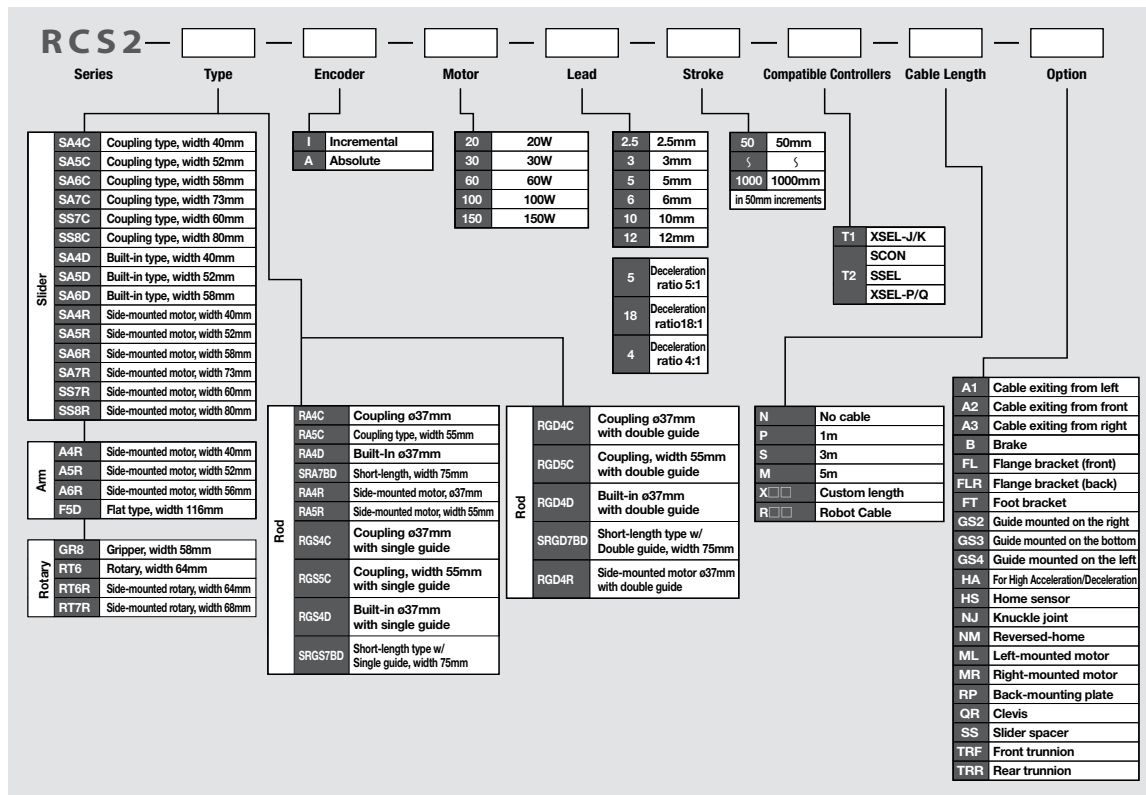


RCA series/RCS2 series

RCA series

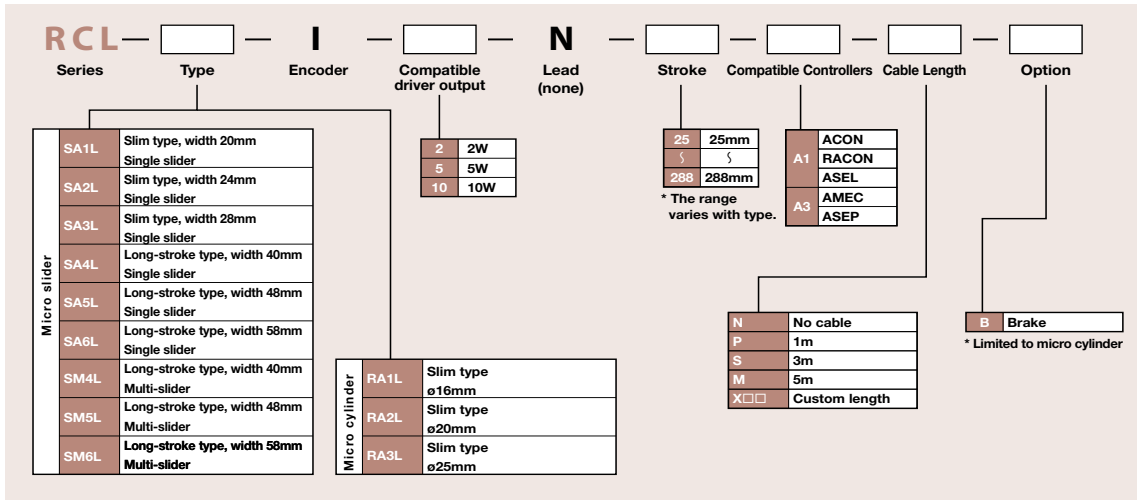


RCS2 series

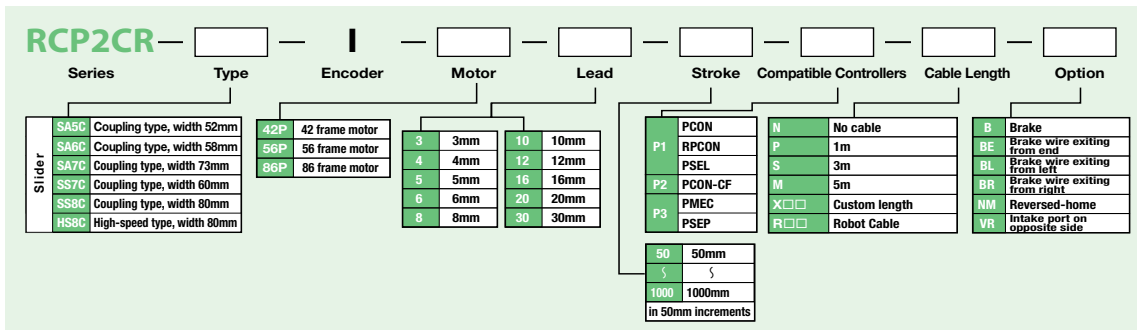


RCL series/Cleanroom-compatible series

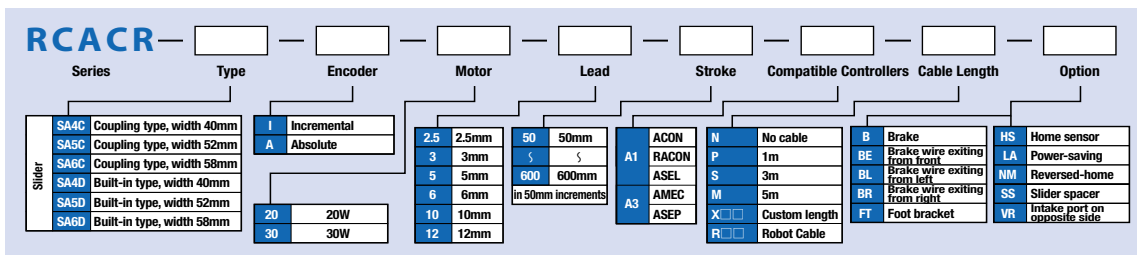
RCL series



RCP2CR series



RCACR series



RCS2CR series

