

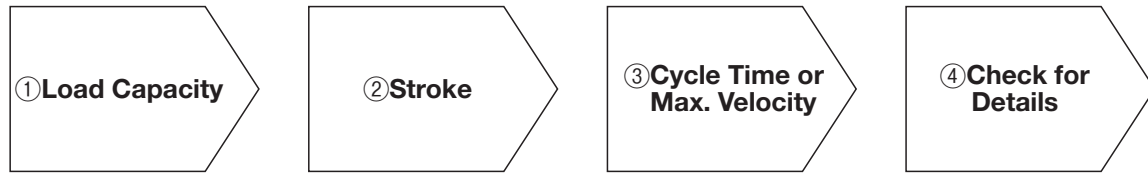
Lineup / Spec List

(Slider / Rod)

Selection Examples

(Slider Type)

Selection Steps



Spec List
Select from "Max. Load Capacity"

Spec List
Select from "Stroke"

Select from "Cycle Time Graph" or
"Maximum Velocity"

Spec List
Check for details on product pages

Note 1) When "Absolute Encoder Type" is required, please select from RSH1(C), 2(C) or 3(C).
Note 2) Select from RS_C for clean specification models. (Alteration to Low Particle Grease is possible with standard model.)

Spec List

Slider Type For selections, please use Selection Software on the web. Clean Room Specifications are now available on our website.

Type	Lead	Environmental Spec.	Max Load Capacity (kg) Horizontal Vertical	Max. Push Force (N)	Maximum Velocity (mm/sec) *Values in the list are the maximum velocity															Position Detector	Input Power Supply	Standards	Page						
					Stroke (mm)																								
					50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000					1050					
RS1	2	Standard Specification	6	4	150																Resolver Incremental Method	DC24V (±10%)		P419					
	6		4	2	90	100																							
	12		2	1	45	300																							
RS2	6	Standard Specification	10	2	90						300						280	250	220	190	Resolver Incremental Method	DC24V (±10%)	P421						
	12		6	1	45	600	560	500	440	380																			
	20		4	-	27	1000	933	833	733	633																			
RS3	6	Standard Specification	12	4	120						300						280	250	220	190	Resolver Incremental Method	DC24V (±10%)	P423						
	12		8	2	60	600	560	500	440	380																			
	20		6	-	36	1000	933	833	733	633																			
RSH1	6	Standard Specification	40	8	283					360	324	270	234	216	180							Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	P425					
	12		20	4	141	720	648	540	468	432	360																		
	20		12	-	84	1200	1080	900	780	720	600																		
RSH2	5	Clean Spec.	50	16	339				300				255	225	195	180	165	150	135	120	Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P427					
	10		40	8	169	600	510	450	390	360	330	300	270	240															
	20		20	4	84	1200	1020	900	780	720	660	600	540	480															
RSH3	5	Clean Spec.	7	-	56						1800						1530	1350	1170	1080	990	900	810	720	Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P429	
	10		80	-	339	300	255	225	195	180	165	150	135	120	105														
	20		60	-	169	600	510	450	390	360	330	300	270	240	210														
RS1C	2	Clean Spec.	6	4	150																Resolver Incremental Method	DC24V (±10%)		P419					
	6		4	2	90	100																							
	12		2	1	45	300																							
RS2C	6	Clean Spec.	10	2	90						300						280	250	220	190	Resolver Incremental Method	DC24V (±10%)	P421						
	12		6	1	45	600	560	500	440	380																			
	20		4	-	27	1000	933	833	733	633																			
RS3C	6	Clean Spec.	12	4	120						300						280	250	220	190	Resolver Incremental Method	DC24V (±10%)	P423						
	12		8	2	60	600	560	500	440	380																			
	20		6	-	36	1000	933	833	733	633																			
RSH1C	6	Clean Spec.	40	8	283					360	324	270	234	216	180							Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P425				
	12		20	4	141	720	648	540	468	432	360																		
	20		12	-	84	1200	1080	900	780	720	660	600	540	480	420														
RSH2C	5	Clean Spec.	50	16	339				300				255	225	195	180	165	150	135	120	Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P427					
	10		40	8	169	600	510	450	390	360	330	300	270	240															
	20		20	4	84	1200	1020	900	780	720	660	600	540	500															
RSH3C	5	Clean Spec.	7	-	56						1800						1530	1350	1170	1080	990	900	810	720	Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P429	
	10		80	-	339	300	264	225	195	180	165	150	135	120	105														
	20		60	-	169	600	528	450	390	360	330	300	270	240	210														
RSH3C	5	Clean Spec.	80	-	339						300						264	225	195	180	165	150	135	120	105	Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P429
	10		60	-	169	600	528	450	390	360	330	300	270	240	210														
	20		30	-	84	1000	900	800	700	650	600	550	500	420															

Type	Lead	Appearance	Max Load Capacity (kg) Horizontal Vertical	Max. Push Force (N)	Maximum Velocity (mm/sec) *Values in the list are the maximum velocity						Position Detector	Input Power Supply	Standards	Page	
					Stroke (mm)										
					50	100	150	200	250	300					
RSD1	6	Standard Specification	20	8	100							Resolver Incremental Method	DC24V (±10%)	RoHS CE* Compliant	P431
	12		10	4	75										
	2		45	25	600										
RSD2	6	Standard Specification	40	12	300							Resolver Incremental Method	DC24V (±10%)	RoHS CE* Compliant	P433
	12		25	5	150										
	2		60	30	900	50									
RSD3	6	Standard Specification	55	20	550							Resolver Incremental Method	DC24V (±10%)	RoHS CE* Compliant	P435
	12		50	10	250										
	2		60	30	900	150									
RSDG1	6	Support Guide Specifications	20	7.5	100							Resolver Incremental Method	DC24V (±10%)	RoHS CE* Compliant	P431
	12		10	3.5	75										
	2		45	24	600	80	72	53							
RSDG2	6	Support Guide Specifications	40	11	300							Resolver Incremental Method	DC24V (±10%)	RoHS CE* Compliant	P433
	12		25	4	150										
	2		60	28.5	900	50									
RSDG3	6	Support Guide Specifications	55	18.5	550							Resolver Incremental Method	DC24V (±10%)	RoHS CE* Compliant	P435
	12		50	8.5	250										
	2		60	28.5	900	150									

Notes on CE Marking

MISUMI Robot Series provide parts to be incorporated into customers' device and equipment. According to EC Directive, it is declared that these are supplied in an incomplete state. Therefore, no CE marks are attached. Please check for EC Directive compatibility with actuator built-in device or equipment (finished products). For details, please see the Instruction Manual.

Positioning Operation Selection Example

[Selection Criteria] Horizontal load capacity 10kg, stroke 500mm, positioning time less than 1.0sec, overhang dimension is 90mm to A direction in the diagram. (Standard Environment)

①② Select a model with the max. load capacity of 10kg (in horizontal position) and moving stroke of 500mm from "Spec List" on the left-hand page.

<Selection Example>
 · RS2 Lead 6
 · RS3 Lead 6
 · RSH1 Lead 20

Type	Lead	Environmental Spec.	Max Load Capacity (kg) Horizontal Vertical	Max. Push Force (N)	Maximum Velocity (mm/sec) * Values in the list are the maximum velocity.															Position Detector	Input Power Supply	Standards	Page						
					Stroke (mm)																								
					50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050									
RS1	2	Standard Specification	6	4	150																Resolver Incremental Method	DC24V (±10%)		P419					
	6		4	2	90	100																							
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	12		6	1	45	600	560	500	440	380																			
	20		4	-	27	1000	933	833	733	633																			
RS3	6	Standard Specification	12	4	120						300						280	250	220	190	Resolver Incremental Method	DC24V (±10%)	P423						
	12		8	2	60	600	560	500	440	380																			
	20		6	-	36	1000	933	833	733	633																			
RSH1	6	Standard Specification	40	8	283					360	324	270	234	216	180							Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	P425					
	12		20	4	141	720	648	540	468	432	360																		
	20		12	-	84	1200	1080	900	780	720	660	600	540	480															
RSH2	5	Clean Spec.	50	16	339				300				255	225	195	180	165	150	135	120	Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P427					
	10		40	8	169	600	510	450	390	360	330	300	270	240															
	20		20	4	84	1200	1020	900	780	720	660	600	540	480															
RSH3	5	Clean Spec.	7	-	56						1800						1530	1350	1170	1080	990	900	810	720	Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P429	
	10		80	-	339	300	255	225	195	180	165	150	135	120	105														
	20		60	-	169	600	510	450	390	360	330	300	270	240	210														
RSH3	5	Clean Spec.	80	-	339						300						264	225	195	180	165	150	135	120	105	Resolver Absolute Method	AC Single Phase 100-115V 200-230V (±10%)	RoHS CE* Compliant	P429
	10		60	-	169	600	528	450	390	360	330	300	270	240	210														
	20		30	-	84	1000	900	800	700	650	600	550	500	420															

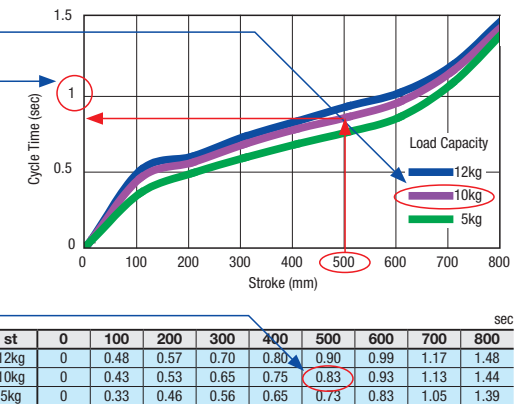
③ Select a model capable of positioning within 1.0 sec from "Cycle Time Graph" on P441 and 442.

<Ex.> Check RSH1 Lead 20 positioning time

- Select 10kg for load capacity.
- The graph indicates positioning time is less than 1.0 sec.
- The table indicates positioning time is 0.83 sec.

Note: The graph and table indicate calculated values, and these may vary depending on operating conditions.

Likewise, check the positioning time for RS2 Lead 6 and RS3 Lead 6.



<Selection Example>
 · RS2 Lead 6 1.78sec
 · RS3 Lead 6 1.83sec
 · RSH1 Lead 20 0.83sec

④ Select a model whose gravity center of load is within allowable overhang.

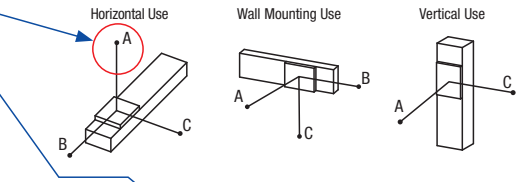
<Ex.> Check RSH1 Lead 20 allowable overhang load.

Ex.) RSH1 Lead 20

Allowable Overhang Load

- Check the direction.
- The table indicates the overhanging is 100mm.

Note) Values are actual measurement and may vary depending on operating conditions.



<Selection Example>